

ENQUIRY

Introduction:

Having the data in a database is worth little unless it can be extracted and utilized. The real power of a GLOBUS database will be the experience and knowledge in unlocking the data and in presenting correct and complete information back to users. An *ENQUIRY* is a question you ask the system about your data. They are similar to select statements as they enables a user to extract data from single or multiple files in addition to presenting complex data in any required format. There is much more that one can do with an enquiry, like

- ◆ Invoke drilldown enquiries, i.e., from a summary *ENQUIRY* to a more detailed view
- ◆ Launch an *ENQUIRY* as context sensitive while working with a related application
- ◆ Launch applications and default information from the *ENQUIRY* into the contract
- ◆ Display and sort the data in a number of formats
- ◆ Export *ENQUIRY* result into a Windows application such as an Excel worksheet

An enquiry can be created using any one of the following ways:

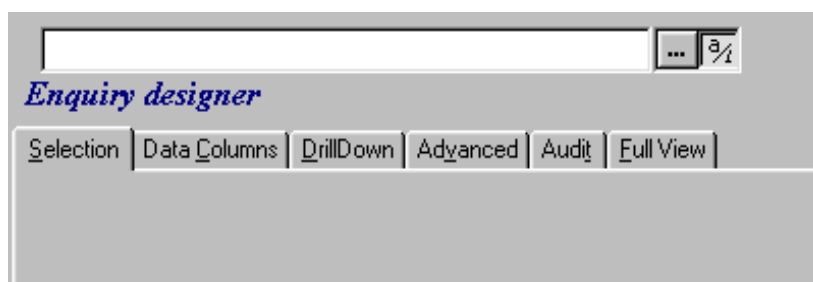
- ◆ The Enquiry Wizard(Available under the Tools menu) helps you create simple list style enquiries.
- ◆ The Enquiry Designer(Available under the Tools menu)

For more complex enquiries, including the embedded spreadsheet functionality let us understand the Enquiry Designer in detail.

Enquiry Designer :

The Enquiry Designer is a method of creating Enquiries in GLOBUS, using the features of the multi-window Desktop to design a new Enquiry, modifying an existing one and displaying the information required.

Designer Workspace



Let us understand the various fields in the “Full View”, as it comprises of all the data spread across other tabs like Selection, Data Columns etc. It deals with different selections, the data to be displayed, linking to other enquiries, data regarding advanced manipulation and data regarding audit fields too.

Fields In An Enquiry Application :

Following are the various fields in the "Full View" tab.

1	PAGE.SIZE
2	FILE.NAME
3.1	FIXED.SELECTION
4.1	FIXED.SORT.....
5.1	SELECTION.FLDS.
6.1	SEL.FLD.OPER...
7.1	REQUIRED.SEL...
8.1	BUILD.ROUTINE..
9.1.1	HEADER.....
10.1	FIELD.NAME.....
11.1.1	OPERATION...
12.1	COLUMN.....
13.1	LENGTH.MASK....
14.1.1	CONVERSION..
15.1.1	COMMENTS.....
16.1	TYPE.....
17.1	DISPLAY.BREAK..
18.1	SINGLE.MULTI...
19.1	ENQUIRY.NAME...
20.1.1	SEL.CRIT ...
21.1	LABEL.FIELD....
22.1	NXT.LVL.DESC...
23.	PAGE.FIELDS.....
24.	STATIC.FIELDS.....
25.	MULTI.FIELDS.....
26.	BREAK.FIELDS.....
27.	PROCESS.BREAKS....
28.	TOTAL.FIELDS.....
29.	NEXT.LVL.FLDS.....
30.	LINES.OSIDE.PAGE..
31.	SMS.APPLICATION...
32.	SMS.ID.....
33.	SMS.ABORT.....
34.	USE.FIELD.NUMBERS.
35.	CUSTOMER.NO.FLD...
36.	ACCOUNT.NO.FLD....
37.1	SPOOL.BRK.FLD..
38.1.1	GB DESCRIPT.
39.	RESERVED.3.....
40.	RESERVED.2.....
41.	RESERVED.1.....
42.	RECORD.STATUS.....
43.	CURR.NO.....
44.1	INPUTTER.....
45.	DATE.TIME.....
46.	AUTHORISER.....
47.	CO.CODE.....
48.	DEPT.CODE.....

FIELD NO 1 = PAGE.SIZE (Mandatory input)

These co-ordinates define the screen page which will be used by the enquiry. It does not restrict the enquiry from addressing other areas of the screen, but it should be noted that these areas are not refreshed automatically by moving from one page to the next.

- (1) XX,YY where XX defines the first line of the page and YY the last. Must be numeric, in the range 0 - 24, and be separated by a ','.

FIELD NO 8 = BUILD.ROUTINE

Routine to be invoked prior to the actual selection of data from the file but after the selection criteria is specified when running the enquiry. This routine must have one passed argument, which will contain the following:

- ENQ<1> = NAME OF ENQUIRY
- ENQ<2,1> = SELECTION FIELD NAMES (USER INPUT)
- ENQ<3,1> = ASSOCIATED OPERANDS (EQ, LK) etc.
- ENQ<4,1> = DATA LIST

This passed argument is used to manipulate the selection criteria.

FIELD NO 10 = FIELD.NAME

Defines an identification for the field used in the enquiry. It need not contain the actual name of the field as specified in the Standard Selection record. In case the name is the same as specified in the Standard Selection record, then the same value gets defaulted to the Operation field.

FIELD NO 11 = OPERATION (Mandatory Input)

This contains the actual name of the enquiry field as defined in the Standard Selection record. The following instructions are supported:

Instruction	Action
FIELD.NAME	Dynamically locates the field reference by using FILE.NAME's STANDARD.SELECTION record.
FIELD.NO (0 - ID)	Field reference in Numeric format. (Not recommended only use in cases where (1-999) the record is built by a routine and does not follow the layout of the file
IDESC XXX	Execute the I-descriptor defined in the STANDARD.SELECTION record of the FILE, as a Type I or J item, with the FIELD.NAME XXX. The result is returned in the same way as if the field was extracted from the record.
SELECTION XXX	Return the value of the SELECTION.FIELD XXX entered in the selection criteria.
FIELD XXX	Extract current value of enquiry field XXX.
TOTAL XXX	Total enquiry field XXX.
BREAK CHANGE XXX	Break on change of enquiry field XXX.

BREAK LINE NN	Break when line NN has been exceeded.
CALC XXX + YYY	Add enquiry field XXX and YYY.
CALC XXX / YYY	Divide enquiry field XXX by enquiry field YYY.
CALC XXX * YYY	Multiply two enquiry fields.
CALC XXX – YYY	Subtract two enquiry fields.
CALC XXX : YYY	Concatenate two enquiry fields.

IF AA GT BB XXX YYY Decision process.

If enquiry field AA is greater than enquiry field BB then process enquiry field XXX or process enquiry field YYY and return the value to this enquiry field. The valid operands are EQ, NE, GT, LT, GE, LE, RG, NR, LK, UL. Field is subvalued to allow the decision criteria to span more than a single line for clarity.

"zzzzz"	Use the constant contained in quotes.
!USER	Extract current user id.
!TODAY	Extract today's date.
!COMPANY	Extract current company id.
!LANGUAGE	Extract user's language code.
!LOCAL.CCY	Extract local currency code.
!LAST.WORKING.DAY	Extract last working day.
!NEXT.WORKING.DAY	Extract next working day.

Important note:

Never reference a record field (XXX or 0-999) during the processing of a break. Always reference enquiry fields (FIELDXXX).

FIELD NO 14 = CONVERSION

Allows data to be converted prior to display.

The conversion operation allows the manipulation of the result of an enquiry operation. The result of the conversion is then stored in the enquiry field. The following conversions are supported:

Conversion	Action
FIELD X,N1,N2	Extract from the data, delimited by X, the N1th field to the N2th.
EXTRACT N1,N2	Extract from the data starting at position N1 for N2 bytes.
SUBSTITUTE X,Y	If the data equals X then replace it with Y.
CONVERT X,Y	Replace every occurrence of the character

X with Y.

VALUE X,Y	Extract value X, sub-value Y from the data.
JULIAN	Convert the data from YYYYMMDD format to PRIME internal format.
OCONV XXX	Convert data using Info-Basic OCONV instruction XXX. See Info-Basic manual.
ICONV XXX	Convert data using Info-Basic ICONV instruction XXX. See Info-Basic manual.
LINK XXX,YYY	Read file XXX using the current data as the key and return field name YYY as defined in the STANDARD.SELECTION record for XXX. Do not specify F. or company mnemonic in file name. Field Name YYY may be a data field or an I or J descriptor defined in the Standard Selection record of file XXX Note that if a multi or sub-valued item is returned from a LINK version, the multi and sub values are converted to spaces, so the result cannot be displayed in separate lines.
@ XXX	Call user subroutine XXX.
\$ XXX	Call user subroutine XXX at selection stage only. Allows manipulation of user selection criteria.

(1) 32 type A (alphanumeric) characters.
Conversion <space> argument.

FIELD NO 16 = TYPE

Allows further formatting of the data based on the type of field.

This formatting is performed immediately prior to display, (i.e. after conversion)

CCY XXX Y	Amount format using currency held in enquiry field XXX and the negative amount format specified in Y. Current valid formats are
	E formats a -ve number as <123,456.12>
	M formats a -ve number as 123,456.12-
	B formats a -ve number as 123,456.12db
	N formats a -ve number as 123,456.12
	null formats a -ve number as -123456.12

e.g. CCY CURRENCY E

TRANSLATE	Translate data using 'dynamic text' mechanism.
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LANGUAGE Extracts correct language value (based on users language code) from the multi-valued field.

DATE Formats GLOBUS internal date format (YYYYMMDD) to DD Mmm YYYY.

(1) The valid types are:

CCY XXX
 TRANSLATE
 LANGUAGE
 DATE

FIELD NO 17 = DISPLAY.BREAK

Defines enquiry field to be processed only when a break condition is met. In the case of total fields, the total will be displayed (providing Column has been specified) and the current total cleared.

Standard break names are provided for certain conditions. They are:

ONCE	Only processed once at the beginning of the enquiry
END	Only processed at the end of the enquiry
NEWPAGE	Processed at the start of every new page
NONE	Only processed if no records matched the selection criteria.

FIELD NO 18 = SINGLE.MULTI

Specifies that the instruction should be processed for every multi/sub-value occurrence. If 'M' is specified the instruction will be processed for every multi-value and sub-value occurrence within the data record. All multi-value/sub-value fields are taken to be associated and aligned accordingly on the screen.

Valid values : Either S or M (single or multi). If null is specified then S is used as the default.

FIELD NO 19 = ENQUIRY.NAME

Defines the name of the next enquiry, application or version to be invoked when descending enquiry levels.

Example : ACCOUNT,AC.TEST I F3

This will invoke a version by name AC.TEST in the input mode and automatically generate the id.

FIELD NO 20 = SEL.CRITERIA

Selection criteria for the next level enquiry. Valid only when invoking another enquiry on the next level (not used when calling an application).



The valid operands are EQ, NE, GT, LT, GE, LE, RG, NR, LK, and UL.
Example : CUSTOMER EQ CUST.ID

FIELD NO 21 = LABEL.FIELD

Specifies the enquiry field name, on which if right clicked leads to the next level enquiry, version or application.

FIELD NO 31 = SMS.APPLICATION

Defines the name of the application to be used for SMS verification.

If an enquiry is based on a "NOFILE" application the only SMS verification which can take place is based on 'linked' data defined in the conversion field. In order to supplement these checks you can define, here, the name of the application whose SMS rules should also be used.

FIELD NO 32 = SMS.ID

The enquiry field which holds the id of the record to be read from SMS.APPLICATION.

Each time this enquiry field is processed then the record from SMS.APPLICATION will be read and subsequently verified for SMS. If it does not pass the SMS check then the current record will not be displayed.

FIELD NO 33 = SMS.ABORT

Flag to indicate if the enquiry is to be aborted when the first SMS violation is recorded.

The enquiry system will read and SMS verify all records it selects. This can be very time consuming if all the records fail the SMS checks. Consequently this flag enables the enquiry to abort at the first SMS violation encountered.

Can be either Y or No.

FIELD NO 34 = USE.FIELD.NUMBERS

Specifies whether field numbers entered in the OPERATION field should not be converted to the relevant field name.

May be Y or NO.

FIELD NO 35 = CUSTOMER.NO.FLD

Indicates the defined field, which contains the value of the customer number, to be used for purposes of spooling. Used in conjunction with ENQUIRY.REPORT application, which we will discuss as we go on.

FIELD NO 36 = ACCOUNT.NO.FLD

Indicates the defined field, which contains the value of the account number, to be used for purposes of spooling. Used in conjunction with ENQUIRY.REPORT module

FIELD NO 37 = SPOOL.BRK.FLD



Specifies fields which on change of value between pages, certain reports may be required to produce output for particular Customers and Accounts, where it would be advantageous to create a separate report for each Customer or Account. By specifying the relevant field name here, if the value changes between pages, a new spool record will be created.

Must be defined previously on the Enquiry as a FIELD NAME.

Let us now understand how to create enquiries using some examples.

How to create Enquiries ?

Example 1

Using the Enquiry Designer, create a grid enquiry, which displays the ACCOUNT.NUMBER and CUSTOMER number for the client base from the ACCOUNT file.

Fields to be populated: File Name (FILE.NAME), Name (FIELD.NAME), Column (COLUMN), Operation (OPERATION), Mask (LENGTH.MASK), Page Size (PAGE.SIZE).

Note that you must give a field a Column co-ordinate for it to appear in the Enquiry e.g. 3 and 29. The Page Size default will be set to 4,19. Run your enquiry in both GUI and Classic.

Solution 1

1.	PAGE.SIZE	4,19
2.	FILE.NAME	ACCOUNT
10.1	FIELD.NAME	ACCOUNT.NUMBER
11.1.1	OPERATION	ACCOUNT.NUMBER
12.1	COLUMN	3
13.1	LENGTH.MASK	16R
18.1	SINGLE.MULTI	S
10.2	FIELD.NAME	CUSTOMER
11.2.1	OPERATION	CUSTOMER
12.2	COLUMN	20
13.2	LENGTH.MASK	10R
18.2	SINGLE.MULTI	S

Output

Account Number	Balance
10103	100077
10111	100074
10127	100073
10138	100072
10146	100071
10154	100070
10162	100069
10178	100068
10189	100067
10197	100066
10208	100065
10219	100064
10227	100063
10235	100062
10243	100059
10251	100058
10267	100055
10278	100054
10308	100060

Example 2

Add the CURRENCY and the WORKING.BALANCE of the accounts to your enquiry ensuring the working balance is formatted according to the currency of the account.

Field Name (FIELD.NAME), Column (COLUMN), Type (TYPE). See the helptext on Type

Solution 2

10.3	FIELD.NAME	CURRENCY
11.3.1	OPERATION	CURRENCY
12.3	COLUMN	31
13.3	LENGTH.MASK	3L
18.3	SINGLE.MULTI	S
10.4	FIELD.NAME	WORKING BALANCE
11.4.1	OPERATION	WORKING.BALANCE
12.4	COLUMN	35
13.4	LENGTH.MASK	19R
16.4	TYPE	CCY CURRENCY
18.4	SINGLE.MULTI	S

Output

Account No.	Operation No.	Currency	Balance
10103	100077	CHF	-240,000.00
10111	100074	USD	15,044,317.55
10127	100073	GBP	-27,145,446.58
10138	100072	CHF	-189,283.00
10146	100071	ESP	
10154	100070	PTE	
10162	100069	NLG	
10178	100068	LUF	
10189	100067	ITL	168,121,246
10197	100066	FRF	-1,543.00
10208	100065	ATS	
10219	100064	JPY	-1,018,363,213
10227	100063	USD	-23,279,111.45
10235	100062	DEM	-544,549.50
10243	100059	BEF	-67,769
10251	100058	GBP	-56,342,451.02
10267	100055	HKD	-2,800.70
10278	100054	GBP	0.00
10308	100060	USD	

Example 3

Give each column a header. Note that headings in Classic must be input in the HEADER field in Enquiry Designer Full View. For Desktop grid enquiries the Heading (FIELD.LABEL) field should be used. Give the report a header. See the difference in Desktop and Classic.

Note that the HEADER fields must be added as Sub Values, not Multi Values
Solution 3

Design for header display in Classic

```

9.1.1 HEADER    @(25,0)    Training Enquiry
9.1.2 HEADER    @(3,2)      Acct
9.1.3 HEADER    @(15,2)    Cust
9.1.5 HEADER    @(31,2)    Ccy
9.1.6 HEADER    @(45,2)    WBal
  
```

Design for header display in Desktop

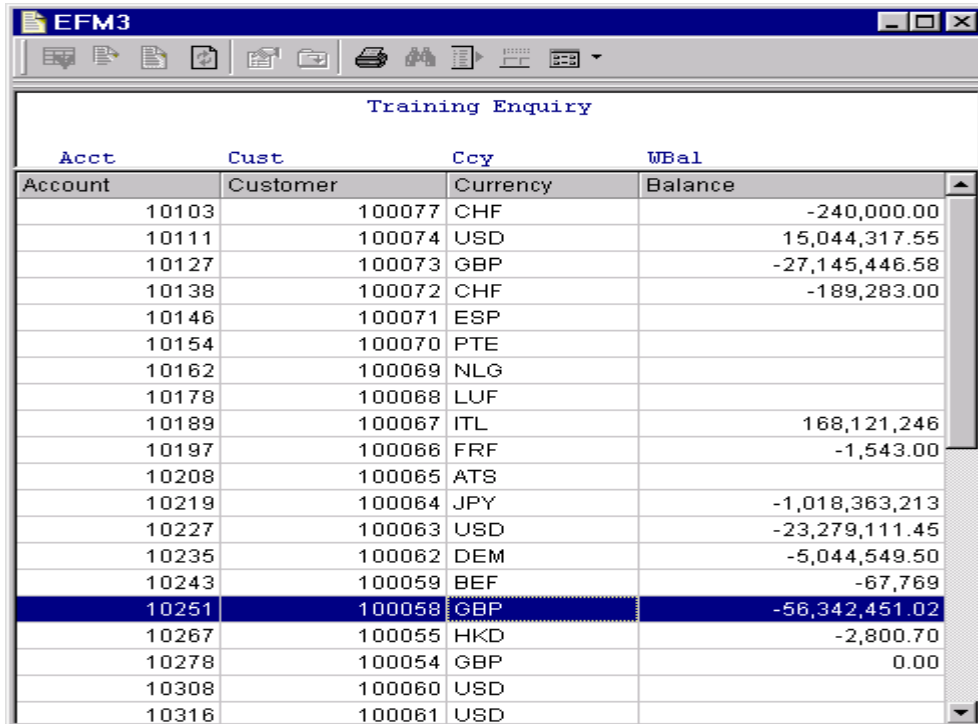
```

11.1.1 OPERATION ACCOUNT.NUMBER
12.1 COLUMN      3
13.1 LENGTH.MASK 10L
18.1 FIELD.LABEL Account
31.1 SINGLE.MULTI S
10.2 FIELD.NAME  CUSTOMER
11.2.1 OPERATION CUSTOMER
12.2 COLUMN      15
13.2 LENGTH.MASK 10L
18.2 FIELD.LABEL Customer
31.2 SINGLE.MULTI S
10.3 FIELD.NAME  CURRENCY
  
```

```

11.3.1 OPERATION CURRENCY
12.3 COLUMN 31
13.3 LENGTH.MASK 3L
18.3 FIELD.LABEL Currency
31.3 SINGLE.MULTI S
10.4 FIELD.NAME WORKING.BALANCE
11.4.1 OPERATION WORKING.BALANCE
12.4 COLUMN 35
13.4 LENGTH.MASK 19R
16.4 TYPE CCY CURRENCY
18.4 FIELD.LABEL Balance
31.4 SINGLE.MULTI S

```



Acct	Cust	Ccy	WBal
Account	Customer	Currency	Balance
10103		100077 CHF	-240,000.00
10111		100074 USD	15,044,317.55
10127		100073 GBP	-27,145,446.58
10138		100072 CHF	-189,283.00
10146		100071 ESP	
10154		100070 PTE	
10162		100069 NLG	
10178		100068 LUF	
10189		100067 ITL	168,121,246
10197		100066 FRF	-1,543.00
10208		100065 ATS	
10219		100064 JPY	-1,018,363,213
10227		100063 USD	-23,279,111.45
10235		100062 DEM	-5,044,549.50
10243		100059 BEF	-67,769
10251		100058 GBP	-56,342,451.02
10267		100055 HKD	-2,800.70
10278		100054 GBP	0.00
10308		100060 USD	
10316		100061 USD	

Example 4

Add the customer mnemonic linked from the CUSTOMER file and sort the display in customer number order. Using fixed selection ensure no negative or zero balances are listed and that internal accounts (with no customer) are excluded.

Conversion (CONVERSION) Link to another file - see help text Predefined Sort (FIXED.SORT)
 Predefined Selection (FIXED.SELECTION)

```

3.1 FIXED.SELECTION WORKING.BALANCE GT '0'
3.1 FIXED.SELECTION CUSTOMER NE NULL
4.1 FIXED.SORT CUSTOMER
10.3 FIELD.NAME MNEMONIC
11.3.1 OPERATION CUSTOMER
12.3 COLUMN 56
13.3 LENGTH.MASK 10R
14.3.1 CONVERSION L CUSTOMER,1
18.3 SINGLE.MULTI S

```

Output

Training Enquiry				
Acct	Cust	Ccy	WBal	Mnemonic
Account	Customer	Curr	Balance	Name
12758	100001	USD	101,478.68	OAKC
13145	100001	GBP	60,435.19	OAKC
13536	100001	DEM	90,312.46	OAKC
13986	100001	USD	310,762.74	OAKC
14378	100001	GBP	131,594.68	OAKC
14761	100001	DEM	12,446.26	OAKC
15202	100001	USD	30,292.47	OAKC
15598	100001	GBP	2,354.71	OAKC
15989	100001	DEM	12,137.14	OAKC
16381	100001	USD	201,401.90	OAKC
16497	100001	DEM	150,718.16	OAKC
18821	100001	EUR	58,000.00	OAKC
11576	100002	GBP	4,818.46	SYDNEYF
12769	100002	USD	145,831.60	SYDNEYF
13153	100002	GBP	15,266.70	SYDNEYF
13544	100002	DEM	50,173.59	SYDNEYF
14389	100002	GBP	46,435.50	SYDNEYF
14777	100002	DEM	9,092.30	SYDNEYF
15218	100002	USD	26,884.59	SYDNEYF
15601	100002	GBP	18,573.35	SYDNEYF
15997	100002	DEM	9,066.57	SYDNEYF

Display the accounts owned by a customer on a separate page per customer. To do this you will need to create a break field specifying that you wish to start a new page when the customer changes. Use the Break Change operation with a column of 'P' which is used to throw a page. Show the customer number and name in the header rather than on each line. Make the report a page report - PAGE value in ATTRIBUTES field. Tidy the report.

```

Operation (OPERATION)
Column (COLUMN)
Display Break (DISPLAY.BREAK)
ATTRIBUTES
  
```

Note: Your enquiry should now be shown as a page rather than as a grid.

Solution 5

```

10.2 FIELD.NAME      CUSTOMER
  11.2.1 OPERATION   CUSTOMER
  13.2  LENGTH.MASK  10L
  18.2  FIELD.LABEL  Customer
  31.2  SINGLE.MULTI S

10.3 FIELD.NAME      B.CUS
  11.3.1 OPERATION   B C CUSTOMER
  12.3  COLUMN       P
  17.3  DISPLAY.BREAK NEWPAGE
  
```

```

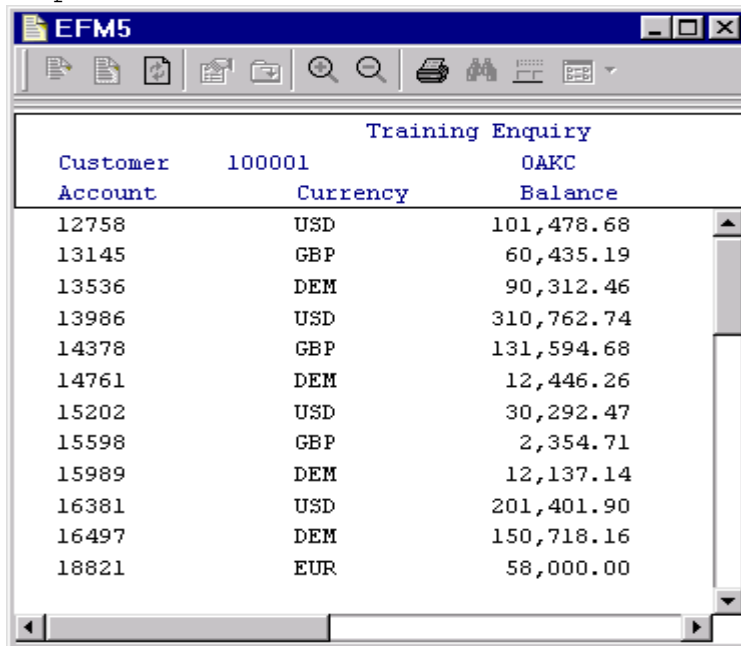
10.4 FIELD.NAME          D.CUS
  11.4.1 OPERATION      FIELD CUSTOMER
  12.4   COLUMN         15,1

10.7 FIELD.NAME          MNEMONIC
  11.7.1 OPERATION      CUSTOMER
  12.7   COLUMN         30,1
  13.7   LENGTH.MASK    10R
  14.7.1 CONVERSION     L CUSTOMER,1
  18.7   FIELD.LABEL    Name
  31.7   SINGLE.MULTI   S

52.1 ATTRIBUTES         PAGE

```

Output



Training Enquiry			
Customer	100001		OAKC
Account	Currency	Balance	
12758	USD	101,478.68	
13145	GBP	60,435.19	
13536	DEM	90,312.46	
13986	USD	310,762.74	
14378	GBP	131,594.68	
14761	DEM	12,446.26	
15202	USD	30,292.47	
15598	GBP	2,354.71	
15989	DEM	12,137.14	
16381	USD	201,401.90	
16497	DEM	150,718.16	
18821	EUR	58,000.00	

Example 6

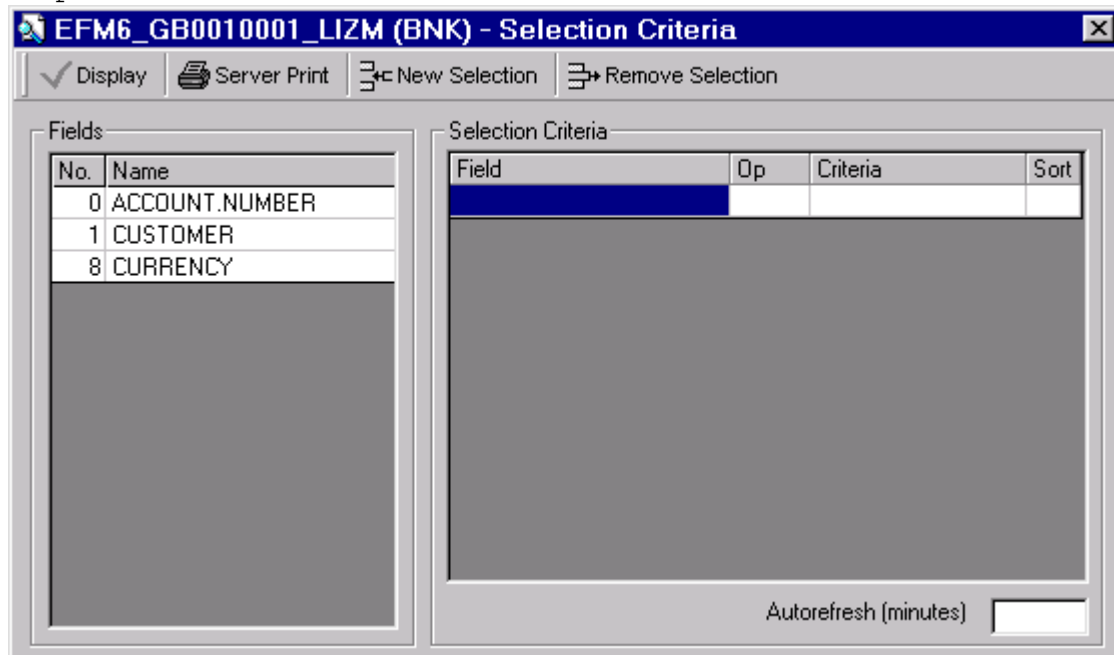
Restrict the selection criteria for your enquiry to the following:
ACCOUNT.NUMBER, CUSTOMER and CURRENCY.

Selection Field (SELECTION.FLDS)

Solution 6

- 5. 1 SELECTION.FLDS. ACCOUNT.NUMBER
- 5. 2 SELECTION.FLDS. CUSTOMER
- 5. 3 SELECTION.FLDS. CURRENCY

Output



Example 7

Add a total for working Balance for each Customer. The total should appear on the break field defined earlier

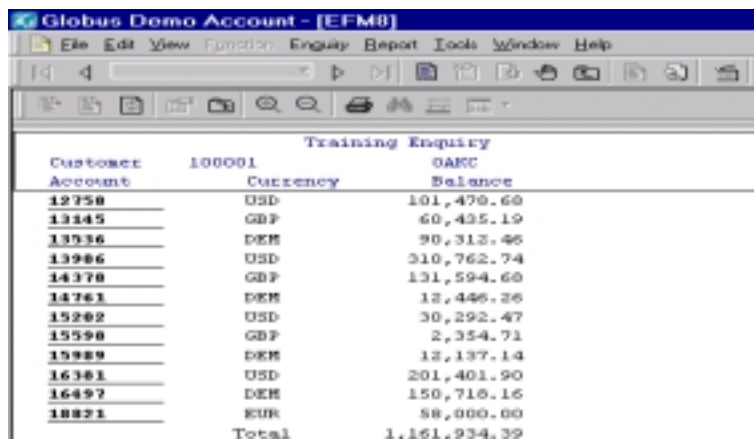
Name (FIELD.NAME), Operation (OPERATION), Col (COLUMN),
Break (DISPLAY.BREAK)

Solution 7

10.8 FIELD.NAME TOTWB
11.8.1 OPERATION TOTAL WORKING.BALANCE
12.8 COLUMN 25
17.8 DISPLAY.BREAK B.CUS

10.9 FIELD.NAME TOTTEXT
11.9.1 OPERATION "Total"
12.9 COLUMN 19
17.9 DISPLAY.BREAK B.CUS

Output



Customer Account	Currency	Balance
12750	USD	101,470.60
13145	GBP	60,435.19
13536	DEM	90,312.46
13986	USD	310,762.74
14370	GBP	131,594.60
14761	DEM	12,446.26
15202	USD	30,292.47
15590	GBP	2,354.71
15989	DEM	12,137.14
16361	USD	201,401.90
16497	DEM	150,710.16
18821	EUR	88,000.00
Total		1,161,934.39

Example 8



Make the Enquiry Break on Currency as well, so that the Enquiry makes more sense. To do this the totaling must be done on a break for both Currency change and Customer change. For this to work a working field should be set up that concatenates Cust. No. and Currency. Then a break field should be established for this field. Each time the value changes the Enquiry should total (for details of Concatenating see help text for 'Operation'). You can choose whether to make the break a page break or not. If the break is a page break, put the currency into the header.

Solution 8

```

1      PAGE.SIZE          4,19
2      FILE.NAME          ACCOUNT

3.1    FIXED.SELECTION    WORKING.BALANCE GT "0"
3.2    FIXED.SELECTION    CUSTOMER NE NULL
4.1    FIXED.SORT         CUSTOMER
4.2    FIXED.SORT         CURRENCY

5.1    SELECTION.FLDS.    ACCOUNT.NUMBER
5.2    SELECTION.FLDS.    CUSTOMER
5.3    SELECTION.FLDS.    CURRENCY

9.1.1  HEADER             @(25,0)Training Enquiry
9.1.2  HEADER             @(3,1)Customer
9.1.3  HEADER             @(3,2)Account
9.1.4  HEADER             @(36,2)Balance

10.1   FIELD.NAME         ACCT
11.1.1 OPERATION          ACCOUNT.NUMBER
12.1   COLUMN             3
13.1   LENGTH.MASK        10L
31.1   SINGLE.MULTI       S
10.2   FIELD.NAME         CUSTOMER
11.2.1 OPERATION          CUSTOMER
13.2   LENGTH.MASK        7L
20.2   SECTION            HEADER
31.2   SINGLE.MULTI       S
10.3   FIELD.NAME         B.CUS
11.3.1 OPERATION          B C CUSTOMER
12.3   COLUMN             P
10.4   FIELD.NAME         D.CUS
11.4.1 OPERATION          FIELD CUSTOMER
12.4   COLUMN             15,1
17.4   DISPLAY.BREAK      NEWPAGE
20.4   SECTION            HEADER
10.5   FIELD.NAME         CURRENCY
11.5.1 OPERATION          CURRENCY
13.5   LENGTH.MASK        3L
20.5   SECTION            HEADER
31.5   SINGLE.MULTI       S
10.6   FIELD.NAME         CUSCCY
11.6.1 OPERATION          C CUSTOMER : CURRENCY
10.7   FIELD.NAME         B.CUSCCY
11.7.1 OPERATION          B C CUSCCY
10.8   FIELD.NAME         WORKING.BALANCE
11.8.1 OPERATION          WORKING.BALANCE
12.8   COLUMN             25
13.8   LENGTH.MASK        19R
16.8   TYPE               CCY CURRENCY
31.8   SINGLE.MULTI       S
10.9   FIELD.NAME         TOTWB

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11.9.1 OPERATION                TOTAL WORKING.BALANCE
11.9  COLUMN                    25
13.9  LENGTH.MASK              19R
16.9  TYPE                     CCY CURRENCY
17.9  DISPLAY.BREAK            B.CUSCCY
10.10 FIELD.NAME               TOTTEXT
11.10.1 OPERATION              "Total"
12.10 COLUMN                   16
17.10 DISPLAY.BREAK            B.CUSCCY
10.11 FIELD.NAME               TOTCCY
11.11.1 OPERATION              FIELD CURRENCY
12.11 COLUMN                   22
13.11 LENGTH.MASK              3L
17.11 DISPLAY.BREAK            B.CUSCCY
10.12 FIELD.NAME               MNEMONIC
11.12.1 OPERATION              CUSTOMER
12.12  COLUMN                  24,1
13.12  LENGTH.MASK             10R
14.12.1 CONVERSION              L CUSTOMER,1
20.12  SECTION                  HEADER
31.12  SINGLE.MULTI             S
32.1   ENQUIRY.NAME             ACCT.BAL.TODAY
33.1.1 SEL.CRIT                 ACCOUNT.NUMBER EQ ACCT
34.1   LABEL.FIELD              ACCT 1
35.1   NXT.LVL.DESC              Acct Bal Today enquiry
36     PAGE.FIELDS              6 1ÿ2ÿ5ÿ6ÿ8ÿ12
38     MULTI.FIELDS              0
39     BREAK.FIELDS              2 3ÿ7
40     PROCESS.BREAKS            4 4ÿ9ÿ10ÿ11
41     TOTAL.FIELDS              19
42     NEXT.LVL.FLDS             11
52.1   ATTRIBUTES               PAGE
54.1   GB SHORT.DESC            EFM ENQUIRY

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Output

Customer		Training Enquiry	
Account	100001	OAKC	Balance
<u>13536</u>			90,312.46
<u>14761</u>			12,446.26
<u>15989</u>			12,137.14
<u>16497</u>			150,718.16
	Total DEM		265,614.02
<u>18821</u>			58,000.00
	Total EUR		58,000.00
<u>13145</u>			60,435.19
<u>14378</u>			131,594.68
<u>15598</u>			2,354.71
	Total GBP		194,384.58
<u>12758</u>			101,478.68
<u>13986</u>			310,762.74
<u>15202</u>			30,292.47
<u>16381</u>			201,401.90
	Total USD		643,935.79

