

000001 Identification division.
 000002 Program-id. TestEuro.
 000003 Environment division.
 000004 Configuration section.
 000005 Special-Names.
 000006 currency sign is 'EUR'
 000007 with picture symbol 'U'
 000008 decimal-point is comma.
 000009 Data division.
 000010 Working-storage section. * *

==000010==> IGYDS1348-W **RULES(NOEVENPACK)** Data item "SQL---SCRVALD" was defined with an even number of digits, but "PACKED-DECIMAL" data items should always be defined with an odd number of digit positions.

000011	01	WORK-AMOUNT	PIC S9(13)V99 PACKED-DECIMAL.	000000000	8F
000012	01	WORK-BALANCE	PIC S9(13)V99 PACKED-DECIMAL VALUE 0.	000000000	8F
000013	01	EDIT1-LINE.		000000000	0CL93
000014	02		PIC X(25) VALUE 'FIXED LEFT 1'.	000000000	25C
000015	02		PIC X(9) VALUE 'AMOUNT : '.	000000019	9C
000016	02	EDIT1-AMOUNT	PIC U--.---.---.---.---9,99.	000000022	24C
000017	02		PIC X(11) VALUE ' BALANCE : '.	00000003A	11C
000018	02	EDIT1-BALANCE	PIC U--.---.---.---.---9,99.	000000045	24C
000019	*01	EDIT2-LINE.			
000020	* 02		PIC X(25) VALUE 'FIXED LEFT 2'.		
000021	* 02		PIC X(9) VALUE 'AMOUNT : '.		
000022	* 02	EDIT2-AMOUNT	PIC UUU--.---.---.---.---9,99.		
000023	* 02		PIC X(11) VALUE ' BALANCE : '.		
000024	* 02	EDIT2-BALANCE	PIC UUU--.---.---.---.---9,99.		
000025	* IGYDS1162-E "PICTURE" string character "-" was out of sequence				
000026	* or was invalid with the preceding "PICTURE" string characters.				
000027	* "PICTURE" string "S9(1)" was assumed.				
000028	01	EDIT3-LINE.		000000000	0CL93
000029	02		PIC X(25) VALUE 'FIXED LEFT 3'.	000000000	25C
000030	02		PIC X(9) VALUE 'AMOUNT : '.	000000019	9C
000031	02	EDIT3-AMOUNT	PIC U*.***.***.***.***9,99-.	000000022	24C
000032	02		PIC X(11) VALUE ' BALANCE : '.	00000003A	11C
000033	02	EDIT3-BALANCE	PIC U*.***.***.***.***9,99-.	000000045	24C
000034	01	EDIT4-LINE.		000000000	0CL91
000035	02		PIC X(25) VALUE 'FLOATING LEFT'.	000000000	25C
000036	02		PIC X(9) VALUE 'AMOUNT : '.	000000019	9C
000037	02	EDIT4-AMOUNT	PIC U.UUU.UUU.UUU.UU9,99-.	000000022	23C
000038	02		PIC X(11) VALUE ' BALANCE : '.	000000039	11C
000039	02	EDIT4-BALANCE	PIC U.UUU.UUU.UUU.UU9,99-.	000000044	23C
000040	*01	EDIT5-LINE.			
000041	* 02		PIC X(25) VALUE 'FIXED RIGHT 1'.		
000042	* 02		PIC X(9) VALUE 'AMOUNT : '.		
000043	* 02	EDIT5-AMOUNT	PIC Z.ZZZ.ZZZ.ZZZ.ZZ9,99BU.		
000044	* 02		PIC X(11) VALUE ' BALANCE : '.		
000045	* 02	EDIT5-BALANCE	PIC Z.ZZZ.ZZZ.ZZZ.ZZ9,99BU.		
000046	* IGYDS1162-E "PICTURE" string character "-" was out of sequence				
000047	* or was invalid with the preceding "PICTURE" string characters.				
000048	* "PICTURE" string "S9(1)" was assumed.				
000049	Procedure division.				
000050	Main.				
000051	display 'positive values'				
000052			move 123456789	to	WORK-AMOUNT

```

000053          perform Edit-lines                               61
000054          display 'negative values'
000055          move -987654321 to WORK-AMOUNT                   11
000056          perform Edit-lines                               61
000057          .
000058      Bye.
000059          Goback
000060          .
000061      Edit-lines.
000062          add WORK-AMOUNT to WORK-BALANCE                   11 12
000063      *
000064          move WORK-AMOUNT to EDIT1-AMOUNT                   11 16
000065          move WORK-BALANCE to EDIT1-BALANCE                 12 18
000066          display EDIT1-LINE                                 13
000067      *
000068          move WORK-AMOUNT to EDIT2-AMOUNT
000069      *
000070          move WORK-BALANCE to EDIT2-BALANCE
000071      *
000072          display EDIT2-LINE
000073          move WORK-AMOUNT to EDIT3-AMOUNT                   11 31
000074          move WORK-BALANCE to EDIT3-BALANCE                 12 33
000075          display EDIT3-LINE                                 28
000076          move WORK-AMOUNT to EDIT4-AMOUNT                   11 37
  
```

==000073==> IGYPA3228-W High order digit positions in the sender may be truncated in the move to receiver "EDIT4-AMOUNT (NUMERIC-EDITED)".

```

000074          move WORK-BALANCE to EDIT4-BALANCE                   12 39
  
```

==000074==> IGYPA3228-W High order digit positions in the sender may be truncated in the move to receiver "EDIT4-BALANCE (NUMERIC-EDITED)".

```

000075          display EDIT4-LINE                                 34
000076      *
000077          move WORK-AMOUNT to EDIT5-AMOUNT
000078      *
000079          move WORK-BALANCE to EDIT5-BALANCE
000080          display EDIT5-LINE
000081          display ' '
  
```

==000079==> IGYSC0209-W DSNH053I DSNHPSRV NO SQL STATEMENTS WERE FOUND

```

000080          .
000081      End program TestEuro.                                     2
  
```

Data Division Map

Data Definition Attribute codes (rightmost column) have the following meanings:

- D = Object of OCCURS DEPENDING G = GLOBAL S = Spanned file
- E = EXTERNAL O = Has OCCURS clause U = Undefined format file
- F = Fixed-length file OG= Group has own length definition V = Variable-length file
- FB= Fixed-length blocked file R = REDEFINES VB= Variable-length blocked file
- X = Unallocated

Source LineID	Hierarchy and Data Name	Base Locator	Displacement Structure	Asmblr Data Definition	Data Type	Data Def Attributes
2	PROGRAM-ID TESTEURO-----					*
11	1 WORK-AMOUNT		000000000	DS 8P	Packed-Dec	
12	1 WORK-BALANCE.		000000000	DS 8P	Packed-Dec	
13	1 EDIT1-LINE.		000000000	DS 0CL93	Group	
14	2 FILLER.		000000000	DS 25C	Display	
15	2 FILLER.		000000019	DS 9C	Display	
16	2 EDIT1-AMOUNT.		000000022	DS 24C	Disp-Num-Edit	
17	2 FILLER.		00000003A	DS 11C	Display	
18	2 EDIT1-BALANCE		000000045	DS 24C	Disp-Num-Edit	
28	1 EDIT3-LINE.		000000000	DS 0CL93	Group	
29	2 FILLER.		000000000	DS 25C	Display	
30	2 FILLER.		000000019	DS 9C	Display	
31	2 EDIT3-AMOUNT.		000000022	DS 24C	Disp-Num-Edit	
32	2 FILLER.		00000003A	DS 11C	Display	
33	2 EDIT3-BALANCE		000000045	DS 24C	Disp-Num-Edit	
34	1 EDIT4-LINE.		000000000	DS 0CL91	Group	
35	2 FILLER.		000000000	DS 25C	Display	
36	2 FILLER.		000000019	DS 9C	Display	
37	2 EDIT4-AMOUNT.		000000022	DS 23C	Disp-Num-Edit	
38	2 FILLER.		000000039	DS 11C	Display	
39	2 EDIT4-BALANCE		000000044	DS 23C	Disp-Num-Edit	

End of Data Division Map

```

000002:          Program-id. TestEuro.
...
    000172          000051  USER-ENTRY: EQU      *
...
    000228          000061  EDIT-LINES: EQU      *
000062:          add WORK-AMOUNT  to WORK-BALANCE
...
000064:          move WORK-AMOUNT  to EDIT1-AMOUNT
    00023A  D21A  D110 30E8      000064          MVC      272 (27,R13), 232 (R3)      £  TS2=22
    000240  4120  D127      000064          LA        R2,295 (,R13)      £  TS2=22
    000244  5020  D24C      000064          ST        R2,588 (,R13)      £
    000248  5810  D24C      000064          L         R1,588 (,R13)      £  TS2=24
    00024C  DF1A  D110 9160      000064          EDMK     272 (27,R13), 352 (R9)  £  TS2=22

000870 (+224)  00000008 000007C8 40C5E4D9 40404020 4B202020 4B202020 4B202020 4B202120      !.....H EUR .....!
000890 (+256)  6B20205C C5E4D920 4B202020 4B202020 4B202020 4B202120 6B202060 40204040      !,..*EUR.....!
0008B0 (+288)  404B2020 204B2020 204B2020 204B2021 206B2020 60000000 0B000000 5D000000      ! .....!

    Picture =          U---.---.---.---.---9,99 length=24 (15 digits, 4 separators, 1 decimal mark, 1 floating minus, 3 for currency sign)
    Used Mask = bEURbbbd.ddd.ddd.ddd.d(d,dd length=27 2 extra 'b' after 'EUR'
    Expected mask = bEURbd.ddd.ddd.ddd.d(d,dd length=25 (fill byte space, only one space after 'EUR' for floating minus)
    Alternative mask = bbbbd.ddd.ddd.ddd.d(d,dd length=25 (fill byte space, only one space after 'EUR' for floating minus)

    000252  5010  D24C          000064          ST        R1,588 (,R13)      £  TS2=24
    000256  B222  0022          000064          IPM     R2,R2 ???
    00025A  8820  001C          000064          SRL     R2,28 ???
    00025E  5840  D24C          000064          L         R4,588 (,R13)      £  ← better code in V4R2...
    000262  E340  4FFF  FF71      000064          LAY     R4,-1 (,R4)      £
    000268  5040  D24C          000064          ST        R4,588 (,R13)      £
    00026C  9260  4000          000064          MVI     0 (,R4),X'60'      £
    000270  EC28  0007  017E      000064          CIJ     R2,L0009,1, (mask=0x8),
    000276  5820  D24C          000064          L         R2,588 (,R13)      £
    00027A  9240  2000          000064          MVI     0 (,R2),X'40'      £
    00027E          000064  L0009:  EQU      *
    00027E  D202  D111 3170      000064          MVC     273 (3,R13), 368 (R3)  £  TS2=22

0008F0 (+352)  00000001 0102047B 00000005 00000000 C5E4D900 00000000 FFFFFFFF FFFFFFFF      !.....£.....EUR.....!

    000284  D217  9192  D113      000064          MVC     402 (24,R9), 275 (R13)  £  EDIT1-AMOUNT      TS2=22
000065:          move WORK-BALANCE to EDIT1-BALANCE
...
000066:          display EDIT1-LINE
...
000070:          move WORK-AMOUNT  to EDIT3-AMOUNT
    0002FC  D218  D160 3103      000070          MVC     352 (25,R13), 259 (R3)  £  TS2=28
    000302  D207  D180 9160      000070          MVC     384 (8,R13), 352 (R9)  £
    000308  DE18  D160 D180      000070          ED      352 (25,R13), 384 (R13)  £  TS2=28      TS2=29

000870 (+224)  00000008 000007C8 40C5E4D9 40404020 4B202020 4B202020 4B202020 4B202120      !.....H EUR .....!
000890 (+256)  6B20205C C5E4D920 4B202020 4B202020 4B202020 4B202120 6B202060 40204040      !,..*EUR.....!
0008B0 (+288)  404B2020 204B2020 204B2020 204B2021 206B2020 60000000 0B000000 5D000000      ! .....!

    00030E  A744  0004          000070          JL      L0011
    000312  9240  D178          000070          MVI     376 (,R13),X'40'      £  TS2=28
    000316          000070  L0011:  EQU      *
    000316  D202  D161 3170      000070          MVC     353 (3,R13), 368 (R3)  £  TS2=28

0008F0 (+352)  00000001 0102047B 00000005 00000000 C5E4D900 00000000 FFFFFFFF FFFFFFFF      !.....£.....EUR.....!

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```

00031C D217 91F2 D161 000070 MVC 498 (24,R9),353 (R13) £ EDIT3-AMOUNT TS2=28
000071: move WORK-BALANCE to EDIT3-BALANCE
...
000072: display EDIT3-LINE
...
000073: move WORK-AMOUNT to EDIT4-AMOUNT
00036A D218 D1B0 311C 000073 MVC 432 (25,R13),284 (R3) £ TS2=34
000370 D207 D1D0 9160 000073 MVC 464 (8,R13),352 (R9) £
000376 940F D1D0 000073 NI 464 (,R13),X'0F' £
00037A F877 D1D0 D1D0 000073 ZAP 464 (8,R13),464 (8,R13) £
000380 4120 D1C4 000073 LA R2,452 (,R13) £ TS2=34
000384 5020 D244 000073 ST R2,580 (,R13) £
000388 5810 D244 000073 L R1,580 (,R13) £ TS2=38
00038C DF18 D1B0 D1D0 000073 EDMK 432 (25,R13),464 (R13) £ TS2=34 TS2=36

```

```

000870 (+224) 00000008 000007C8 40C5E4D9 40404020 4B202020 4B202020 4B202020 4B202120 !.....H EUR .....!
000890 (+256) 6B20205C C5E4D920 4B202020 4B202020 4B202020 4B202120 6B202060 40204040 !,..*EUR.....!
0008B0 (+288) 404B2020 204B2020 204B2020 204B2021 206B2020 60000000 0B000000 5D000000 ! .....$.....q.....!

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```

000392 5010 D244 000073 ST R1,580 (,R13) £ TS2=38
000396 5820 D244 000073 L R2,580 (,R13) £
00039A E320 2FFD FF71 000073 LAY R2,-3 (,R2) £
0003A0 5020 D244 000073 ST R2,580 (,R13) £
0003A4 D202 2000 3170 000073 MVC 0 (3,R2),368 (R3) £
0003AA D216 9252 D1B2 000073 MVC 594 (23,R9),434 (R13) £ EDIT4-AMOUNT TS2=34
000074: move WORK-BALANCE to EDIT4-BALANCE

```

```

...
000075: display EDIT4-LINE
...
000079: display ' '
...

```

CONSTANT AREA

```

000790 (+0) 00CCDDFF 00000000 E3C5E2E3 C5E4D9D6 00000000 00000000 00000000 00000000 !.....TESTEURO.....!
0007B0 (+32) 00000490 00000560 00000000 00000000 00000000 00000000 E3C5E2E3 C5E4D9D6 !.....-.....TESTEURO!
0007D0 (+64) 00000040 00000000 00000002 0000000B 00000008 000007C8 0000000B 00000008 !... ..H.....!
0007F0 (+96) 000007C8 9796A289 A389A585 40A58193 A485A200 00000001 0102047B 000007F4 !...Hpositive values.....£...4!
000810 (+128) 0000000B 0000000F 00000000 95858781 A389A585 40A58193 A485A200 00000001 !.....negative values.....!
000830 (+160) 0102047B 0000081C 0000000B 0000000F 00000000 40000000 00000001 0102047B !...£.....!
000850 (+192) 00000844 0000000B 00000001 00000000 00000025 00000000 00000001 0000000B !.....!
000870 (+224) 00000008 000007C8 40C5E4D9 40404020 4B202020 4B202020 4B202020 4B202120 !.....H EUR .....!
000890 (+256) 6B20205C C5E4D920 4B202020 4B202020 4B202020 4B202120 6B202060 40204040 !,..*EUR.....!
0008B0 (+288) 404B2020 204B2020 204B2020 204B2021 206B2020 60000000 0B000000 5D000000 ! .....$.....q.....!
0008D0 (+320) 00000000 0B000000 5B000000 00000000 00001234 5678900C 00009876 5432100D !.....!
0008F0 (+352) 00000001 0102047B 00000005 00000000 C5E4D900 00000000 FFFFFFFF FFFFFFFF !.....£.....EUR.....!
000910 (+384) 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 ! .....!
000930 (+416) 40404040 40400000 00000000 00000000 00000000 00000000 00000000 00000000 ! .....!
000950 (+448) 00000000 F2F0F1F8 60F0F960 F2F460F1 F74BF3F5 4BF2F44B F5F6F7F5 F7F9C6D3 !....2018-09-24-17.35.24.567579FL!
000970 (+480) D6C1E3C9 D5C740D3 C5C6E3C6 C9E7C5C4 40D3C5C6 E340F1C6 C9E7C5C4 40D3C5C6 !OATING LEFTFIXED LEFT 1FIXED LEF!
000990 (+512) E340F340 C2C1D3C1 D5C3C540 7A40C1D4 D6E4D5E3 407A4000 E2D8D3C4 C1404040 !T 3 BALANCE : AMOUNT : .SQLDA !
0009B0 (+544) 00000000 0000000C E5C5D94B 00000000 000007C8 00000008 44000000 00000000 !.....VER.....H.....!
0009D0 (+576) 00000000 E2E8E2D6 E4E34040 00000000 F1F8F0F6 F4F6F2F0 !....SYSOUT ....18064620 !

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