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1 IDENTIFICATION DIVISION.
2 PROGRAM-ID. SUM-OF-EVEN-ODD-NUMBERS.
3 ENVIRONMENT DIVISION.
4 CONFIGURATION SECTION.
5 SOURCE-COMPUTER.
6 OBJECT-COMPUTER.
7 DATA DIVISION.
8 WORKING-STORAGE SECTION.
9 01 N PIC 9(3).
10 01 NUM PIC 9(3).
11 01 DIV PIC 9(3).
12 01 REM PIC 9.
13 01 OPTION PIC 9 VALUE IS 0.
14 01 N-ODD PIC 9(3) VALUE IS 0.
15 01 N-EVEN PIC 9(3) VALUE IS 0.
16 01 S-ODD PIC 9(5) VALUE IS 0.
17 01 S-EVEN PIC 9(5) VALUE IS 0.
18 01 S-ALL PIC 9(5) VALUE IS 0.
19 01 PAUSE PIC X.
20 PROCEDURE DIVISION.
21 MAIN-PARA.
22 DISPLAY (01 01) ERASE.
23 DISPLAY "Enter the No. of Integers : ".
24 ACCEPT N.
25 DISPLAY "Enter the Numbers".
26 DISPLAY "-----".
27 PERFORM PROCESS-PARA N TIMES.
28 PERFORM OPTION-PARA UNTIL OPTION = 6.
29 STOP RUN.
30 PROCESS-PARA.
31 ACCEPT NUM.
32 DIVIDE NUM BY 2 GIVING DIV REMAINDER REM.
33 IF REM = 0
34 COMPUTE N-EVEN = N-EVEN + 1
35 COMPUTE S-EVEN = S-EVEN + NUM
36 ELSE
37 COMPUTE N-ODD = N-ODD + 1
38 COMPUTE S-ODD = S-ODD + NUM.
39 COMPUTE S-ALL = S-ALL + NUM.
40 OPTION-PARA.
41 DISPLAY (01 01) ERASE.
42 DISPLAY (01 10) "-----".
43 DISPLAY (02 10) " MENU ".
44 DISPLAY (03 10) "-----".
45 DISPLAY (04 10) "1 -> No. of Odd Numbers".
46 DISPLAY (05 10) "2 -> No. of Even Numbers".
47 DISPLAY (06 10) "3 -> Sum of Odd Numbers".
48 DISPLAY (07 10) "4 -> Sum of Even Numbers".
49 DISPLAY (08 10) "5 -> Sum of All Numbers".
50 DISPLAY (09 10) "6 -> Exit".
51 DISPLAY (10 10) "-----".
52 DISPLAY (11 10) "Enter Your Option : ".
53 DISPLAY (12 10) "===== ".
54 ACCEPT (11 30) OPTION.
55 IF OPTION = 1
56 DISPLAY (13 10) "No. of Odd Numbers : " N-ODD
57 ELSE
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58         IF OPTION = 2
59             DISPLAY (13 10) "No. of Even Numbers : " N-EVEN
60         ELSE
61             IF OPTION = 3
62                 DISPLAY (13 10) "Sum of Odd Numbers : " S-ODD
63             ELSE
64                 IF OPTION = 4
65                     DISPLAY (13 10) "Sum of Even Numbers : " S-EVEN
66                 ELSE
67                     IF OPTION = 5
68                         DISPLAY (13 10) "Sum of All Numbers : " S-ALL
69                     ELSE
70                         IF OPTION = 6
71                             DISPLAY (13 10) "End of the Program"
72                         ELSE
73                             DISPLAY (13 10) "Error in Option".
74         ACCEPT PAUSE.
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No errors or warnings

Data area size = 742

Code area size = 692

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