C_56 > Two Dinersional Array Arviay Prugnam 1 Sum: [10]-13 0]2 5 0 10 -1 3 Void main() irt a [2][3], i,j, sum = 0; party ("Enter 2×3 matrix elements: In") for(i=0; i<1; i++) for(j=0;j/2;j++) 3 say ["1.dlt", ba[i][j]); 3 point ("Matrin 2×3:10"); for (1=0; 12; 1++) for(j=0; j(2; j++) pointy ("/-dit", a[i][j]); sum = sum + a[i][j]; zounty ("In"); pointy ("/.d", sum); getch(); } Sum = 19

CODE 1:

```
#include <stdio.h>
 1
 2
     #include <stdlib.h>
 3
      #define N 100
 4
      /** 1 - 2D ARRAY PROGRAM **/
      /** READ A MATRIX AND PRINT SUM OF ALL ROWS AND COLUMNS **/
      int main()
 7
    □ {
 8
           int a[N][N],i,j,m,n,sum=0;
 9
           printf("\nEnter number of Rows:\n");
            scanf("%d", &m);
10
11
            printf("Enter number of Columns:\n");
12
            scanf ("%d", &n);
13
            for (i=0; i<m; i++)</pre>
14
15
             for (j=0; j<n; j++)</pre>
16
17
              printf("Enter value of a[%d][%d]:",i,j);
18
              scanf("%d", &a[i][j]);
19
20
21
22
          printf("\nMatrix is:\n");
23
           for (i=0; i<m; i++)</pre>
24
25
           for (j=0; j<n; j++)</pre>
26
27
             printf("%d\t",a[i][j]);
28
29
           printf("\n");
30
31
32
           for (i=0; i<m; i++)</pre>
33
34
            for (j=0; j<n; j++)
35
36
             sum=sum+a[i][j];
37
38
39
          printf("\nsum of matrix elements:%d",sum);
40
          getch();
41
```

III "D:\1. C NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5_Jennys Lectures\PART 4_JENNYS LECTURE_ARRAYS\2_TWO DIMENSIONAL &

```
Enter number of Rows:

2
Enter number of Columns:

3
Enter value of a[0][0]:10
Enter value of a[0][1]:-1
Enter value of a[0][2]:3
Enter value of a[1][0]:0
Enter value of a[1][1]:2
Enter value of a[1][2]:5

Matrix is:

10  -1  3

10  2  5

Sum of matrix elements:19
```