

```
1 #include <stdio.h>
2 int main()
3 {
4     int arr1[3][3], i, j;
5     for (i = 0; i < 3; i++)
6     {
7         printf("Row %d initiates\n", i);
8         for (j = 0; j < 3; j++)
9         {
10             printf("Enter the element %d: ", j);
11             scanf("%d", &arr1[i][j]);
12         }
13         printf("\n");
14     }
15     for (i = 0; i < 3; i++)
16     {
17         for (j = 0; j < 3; j++)
18         {
19             printf("%d", arr1[i][j]);
20             printf(" ");
21         }
22         printf("\n");
23     }
24 }
25
26 }
```

PS E:\Programs in C language> cd "E:\Programs in C language\" ; if (\$?) { gcc 43.ToDisplay2DArray.c -o 43.ToDisplay2DArray.exe } ; if (\$?) { .\43.ToDisplay2DArray.exe }

Row 0 initiates  
Enter the element 0: 12  
Enter the element 1: 12  
Enter the element 2: 12

Row 1 initiates  
Enter the element 0: 12  
Enter the element 1: 12  
Enter the element 2: 12

Row 2 initiates  
Enter the element 0: 13  
Enter the element 1: 14  
Enter the element 2: 15

12 12 12  
12 12 12  
13 14 15

PS E:\Programs in C language>