

<b><u>EX 9</u></b>	<b>PROGRAM TO DISPLAY ARRAY ELEMENTS USING 2D ARRAYS</b>
<b><u>DATE:</u></b>	

**AIM:**

To display array elements using 2D arrays

**ALGORITHM:**

Step1 : Start the program

Step2 : Get the elements of the array

Step 3 : Display the array elements

Step 4 : Stop the program

**PROGRAM:**

```
#include<stdio.h> int main(){  
/* 2D array declaration*/ int  
disp[2][3];  
  
/*Counter variables for the loop*/  
int i, j;  
for(i=0; i<2; i++) { for(j=0;j<3;j++) { printf("Enter  
value for disp[%d][%d]:", i, j); scanf("%d",  
&disp[i][j]);  
}  
}  
  
//Displaying array elements
```

```
printf("Two Dimensional array elements:\n"); for(i=0;
i<2; i++) {

    for(j=0;j<3;j++)        {
        printf("%d  ",  disp[i][j]);

        if(j==2){
            printf("\n");
        }
    }

}

return 0;

}
```

**OUTPUT:**

Enter value for disp[0][0]:1

Enter value for disp[0][1]:2

Enter value for disp[0][2]:3

Enter value for disp[1][0]:4

Enter value for disp[1][1]:5

Enter value for disp[1][2]:6

Two Dimensional array elements:

1 2 3

4 5 6

**RESULT:**

Thus the C Program to display the array elements of the 2D array has been executed and the result was verified