

EX 13

DATE:

**PROGRAM TO GET THE LARGEST ELEMENT OF AN ARRAY
USING FUNCTION**

AIM:

To get the largest element of an array using function

ALGORITHM:

Step 1: Start the program

Step 3: Initialize the array elements

Step 4: Find the largest number of the array

Step 5: Display the largest number

Step 6: Stop the program

PROGRAM:

```
#include <stdio.h>

#include <conio.h>

max(int [],int); void
main()
{
int a[]={ 10,5,45,12,19};

    int n=5,m; clrscr();

    m=max(a,n);

    printf("\nmaximum number is %d",m); getch();

}

max(int x[],int k)
```

```
    {  
  
        int t,i;  
  
        t=x[0];  
  
        for(i=1;i<k;i++)  
  
            {  
  
                if(x[i]>t)  
t=x[i];  
  
            }  
return(t);  
  
    }
```

OUTPUT:

Maximum number is 45

RESULT:

Thus the C Program to display the largest number in an array using function has been executed and verified.

