

8. Create a program in C to search for the minimum and maximum elements in an array with a user defined function.

```
#include <stdio.h>

#include <stdlib.h>

void minimum(int *a,int n)
{
    int i;
    int min=a[0];
    for(i=0;i<n;i++)
    {
        if(a[i]<min)
        {
            min=a[i];
        }
    }
    printf("Minimum element in an array is %d \n",min);
}

void maximum(int *a,int n)
{
    int i;
    int max=a[0];
    for(i=0;i<n;i++)
    {
        if(max<a[i])
        {
            max=a[i];
        }
    }
}
```

```

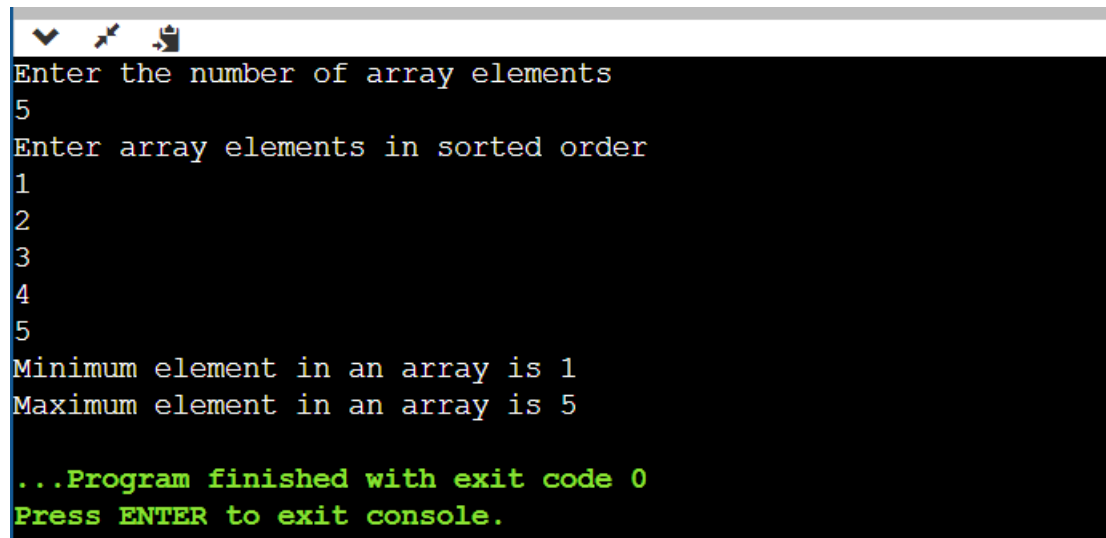
    }
}

printf("Maximum element in an array is %d",max);
}

void main()
{
    int i,a[10];
    int n;
    printf("Enter the number of array elements\n");
    scanf("%d",&n);
    printf("Enter array elements in sorted order\n");
    for(i=0;i<n;i++)
    {
        scanf("%d",&a[i]);
    }
    minimum(a,n);
    maximum(a,n);
}

```

OUTPUT:



```

Enter the number of array elements
5
Enter array elements in sorted order
1
2
3
4
5
Minimum element in an array is 1
Maximum element in an array is 5

...Program finished with exit code 0
Press ENTER to exit console.

```

