

**Aim: To write a program to perform certain action on an array according to entered choice**

**Source Code:**

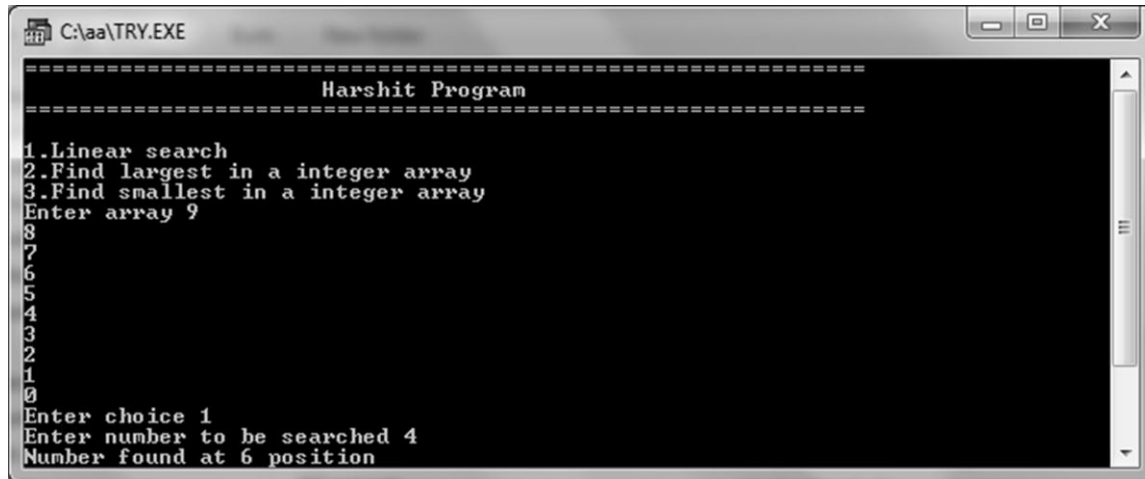
```
#include<iostream.h>
#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
    clrscr();
    int ch, arr[10], large=0, small=0,num;
    char flag='n';
    cout<<"=====\\n"
        <<"                        Harshit Program                \\n"
        <<"=====\\n"
        <<"\\n1.Linear search"
        <<"\\n2.Find largest in a integer array"
        <<"\\n3.Find smallest in a integer array"
        <<"\\nEnter array ";
    for(int j=0;j<10;j++)
        cin>>arr[j];
    cout<<"Enter choice ";
    cin>>ch;
    if(ch==1)
    {
        cout<<"Enter number to be searched ";
        cin>>num;
        for(int i=0;arr[i]!='\\0';i++)
        {
            if(num==arr[i])
            {
                flag='y';
                break;
            }
        }
        if(flag=='y')
            cout<<"Number found at "<<i+1<<" position";
        else
            cout<<"Number not found";
        getch();
    }
    else if(ch==2)
    {
        large=arr[0];
        for(int i=0;i<11;i++)
        {
```

```

        if(arr[i]>large)
            large=arr[i];
    }
    cout<<"Largest integer in the array is "<<large;
    getch();
}
else if(ch==3)
{
    small=arr[0];
    for(int i=0;i<11;i++)
    {
        if(arr[i]<small)
            small=arr[i];
    }
    cout<<"Largest integer in the array is "<<small;
    getch();
}getch();
}

```

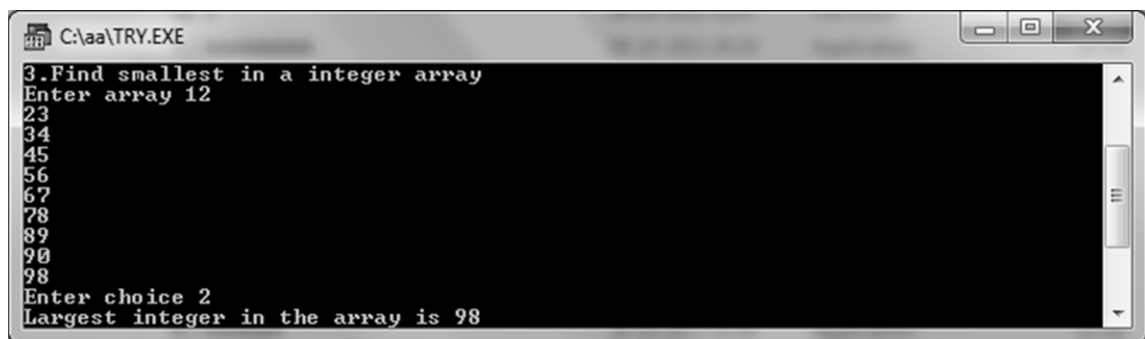
Output :



```

C:\aa\TRY.EXE
=====
Harshit Program
=====
1.Linear search
2.Find largest in a integer array
3.Find smallest in a integer array
Enter array 9
8
7
6
5
4
3
2
1
0
Enter choice 1
Enter number to be searched 4
Number found at 6 position

```



```

C:\aa\TRY.EXE
3.Find smallest in a integer array
Enter array 12
23
34
45
56
67
78
89
90
98
Enter choice 2
Largest integer in the array is 98

```



```

C:\aa\TRY.EXE
23
34
45
56
67
78
89
90
98
Enter choice 3
Largest integer in the array is 98

```