

Fundamentals Of Programming

Home Task : 08

Submitted to: M. Affan

Submitted by: Nafeel Javaid

Roll no: 465554

Course: ME-15

Section : A

Task:01

- `#include<iostream>`

`using namespace std;`

`int main() {`

`int x,y(1),a[10],z(0);`

`int b=a[0],i,j;`

`cout<<"Enter the elements: ";`

`for (i=0;i<10;i++)`

`cin>>a[i];`

`for(i=0;i<10;i++) {`

```
x=0;
```

```
z=a[i];
```

```
x++;
```

```
for( j=i+1;j<10;j++) {
```

```
    if(a[j]==z) {
```

```
        x++;
```

```
    if(x>y) {
```

```
        b=z;
```

```
        y=x;
```

```
    }
```

```
}
```

```
}
```

```
}
```

```
cout<<" The most repeated element is: "<<b;
```

```
return 0;
```

```
}
```

 C:\Users\Nafeel Javid\OneDrive\Desktop\Dev c++\lab 8 h-1.exe

```
Enter the elements: 23
```

```
4
```

```
3
```

```
2
```

```
34
```

```
6
```

```
7
```

```
45
```

```
3
```

```
4
```

```
  The most repeated element is: 4
```

```
-----
```

```
Process exited after 7.363 seconds with return value 0
```

```
Press any key to continue . . .
```

Task:02

```
• #include <iostream>
```

```
using namespace std;
```

```
int main ()
```

```
{
```

```
    int x[8]= {13, 15, 17, 9, 99, 77, 65, 43};
```

```
    int y=x[0];
```

```
    int z=x[0];
```

```
for(int i=0; i<8; i++)
```

```
{
```

```
    if(x[i]>z)
```

```
    {
```

```
        z=x[i];
```

```
    }
```

```
    else if(x[i]<y)
```

```
    {
```

```
        y=x[i];
```

```
    }
```

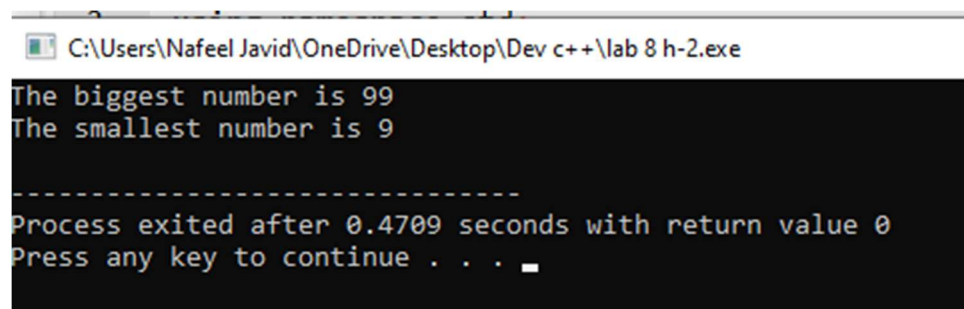
```
}
```

```
cout<<"The biggest number is "<<z<<endl;
```

```
cout<<"The smallest number is "<<y<<endl;
```

```
return 0;
```

```
}
```



```
C:\Users\Nafeel Javid\OneDrive\Desktop\Dev c++\lab 8 h-2.exe
The biggest number is 99
The smallest number is 9
-----
Process exited after 0.4709 seconds with return value 0
Press any key to continue . . .
```

Task:03

```
• #include <iostream>
```

```
using namespace std;
```

```
int main(){
```

```
    int arr[5];int i;
```

```
    cout<<"enter integer for serial number "<<(i+1)<<": ";
```

```
    for(int i=0;i<5;++i){
```

```
        cin>>arr[i];
```

```
    }
```

```
    cout<<"original Array is: ";
```

```
    for (int i=0;i<5;++i){
```

```
        cout<<arr[i]<<" ";
```



```
}
```

```
cout<<endl;
```

```
for(int i=0;i<5-1;++i){
```

```
    for(int j=0;j<5-i-1;++j){
```

```
        if(arr[j]>arr[j+1]){
```

```
            int temp=arr[j];
```

```
            arr[j]=arr[j+1];
```

```
            arr[j+1]=temp;
```

```
        }
```

```
    }
```

```
}
```

```
cout<<"array after sorting is: ";
```

```
for(int i=0;i<5;++i){
```

```
    cout<<arr[i]<<" ";
```

```
}
```

```
cout<<endl;
```

```
return 0;
```

```
}
```

 C:\Users\Nafeel Javid\OneDrive\Desktop\Dev c++\lab 8 h-3.exe

```
enter integer for serial number 62: 23
```

```
123
```

```
432
```

```
1
```

```
23
```

```
original Array is: 23 123 432 1 23
```

```
array after sorting is: 1 23 23 123 432
```

```
-----
```

```
Process exited after 9.807 seconds with return value 0
```

```
Press any key to continue . . .
```

