

Fundamentals of Programming

Name: Syed Asad Raza Zaidi

Section: ME-15A

Roll no: 464239

HomeTask8

1.Code to find most repeated elements in an array.

```
#include<iostream>

using namespace std;

int main()
{
    int n, count;

    int a[n];

    cout<<"Enter length of the array :";

    cin>>n;

    cout<<"Enter integers in the array :";

    for(int i=0; i<n; i++)

        cin>>a[i];


    int flag[n]={0};

    for(int i=0; i<n; i++){

        count=0;

        if(flag[i]!=1){
```

```

        for(int j=0; j<n; j++){

            if(a[i]==a[j]){

                count++;

                flag[j]=1;

            }

        }

        if(count>1)

            cout<<"The num "<<a[i]<<" occurs "<<count<<" times"<<endl;

        }

    }

    return 0;

}

```

```

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Enter length of the array :6
Enter integers in the array :4
3
1
8
4
1
The num 4 occurs 2 times
The num 1 occurs 2 times

-----
Process exited after 7.202 seconds with return value 0
Press any key to continue . . . |

```

2. Code to find largest and smallest integer.

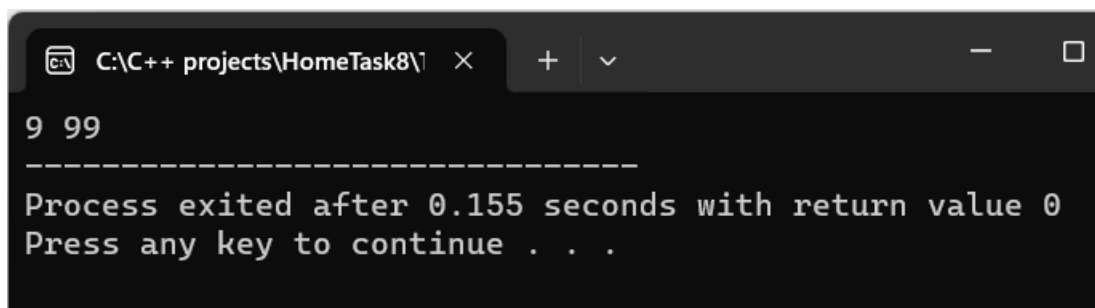
```
#include<iostream>

using namespace std;

int main()
{
    int a[8] = {13,15,17,9,99,77,65,43};
    int min=a[0], max=0;
    for(int i=0; i<8; i++){
        if (a[i]>max){
            max = a[i];
        }
        else if(a[i]<min)
            min = a[i];
    }

    cout<<min<<" "<<max;

    return 0;
}
```



```
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9 99
-----
Process exited after 0.155 seconds with return value 0
Press any key to continue . . .
```

3. Code to swap position 2 element with 4.

```
#include<iostream>

using namespace std;

int main()
{
    int a[5];
    cout<<"Enter integers in the array :";
    for(int i=0; i<5; i++){
        cin>>a[i];
    }
    int temp;
    temp = a[1];
    a[1] = a[3];
    a[3] = temp;
    cout<<"Array with swapped elements is :";
    for(int j=0; j<5; j++){
        cout<<a[j]<<" ";
    }
    return 0;
}
```

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Enter integers in the array :5

3

8

12

5

Array with swapped elements is :5 12 8 3 5

Process exited after 7.061 seconds with return value 0

Press any key to continue . . .