



Fundamentals of Programming

ME-15

Section B

1<sup>st</sup> Semester

Date of Submission: 18/10/2023

Haniyyah Abbas 481755

```

#include <iostream>

using namespace std;

int main(){

int size, arr[size], max=0, repeated, count=0;

cout<<"Enter the number of elements"<<endl;

cin>>size;

for(int k=0; k<size; k++){

cout<<"Enter a number"<<endl;

cin>>arr[k];}

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

count = 0;

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

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

count++;}

}

if (count > max) {

max = count;

repeated=arr[i];}

}

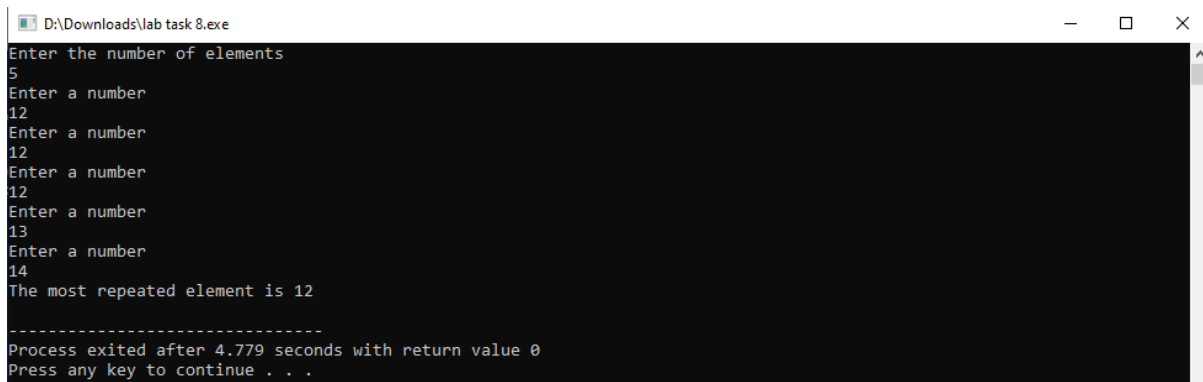
cout << "The most repeated element is " <<repeated

<<endl;

return 0;

}

```



```

D:\Downloads\lab task 8.exe
Enter the number of elements
5
Enter a number
12
Enter a number
12
Enter a number
12
Enter a number
13
Enter a number
14
The most repeated element is 12
-----
Process exited after 4.779 seconds with return value 0
Press any key to continue . . .

```

```

int main() {

```

```

int size=8;

int arr[size]={13,15,17,9,99,77,65,43};

int minimum = arr[0];

int maximum = arr[0];

for (int i = 1; i < size; i++) {

if (arr[i] < minimum) {

minimum = arr[i];}

if (arr[i] > maximum) {

maximum = arr[i];}

}

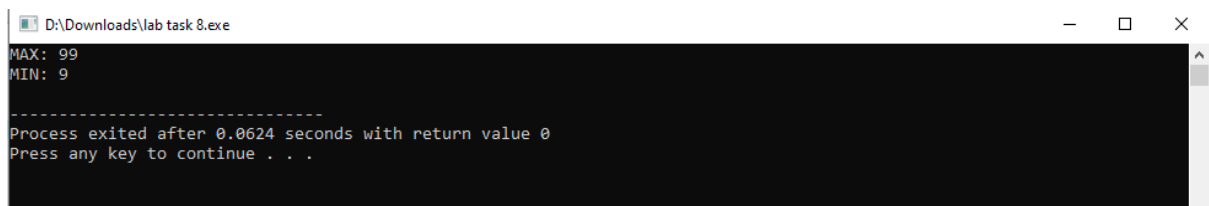
cout << "MAX: " << maximum << endl;

cout << "MIN: " << minimum << endl;

return 0;

}

```



```

D:\Downloads\lab task 8.exe
MAX: 99
MIN: 9
-----
Process exited after 0.0624 seconds with return value 0
Press any key to continue . . .

```

```

int main(){

int size=5, arr[size], temp;

for(int k=0; k<size; k++){

cout<<"Enter a number"<<endl;

cin>>arr[k];}

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

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

temp = arr[1];

arr[1]=arr[3];

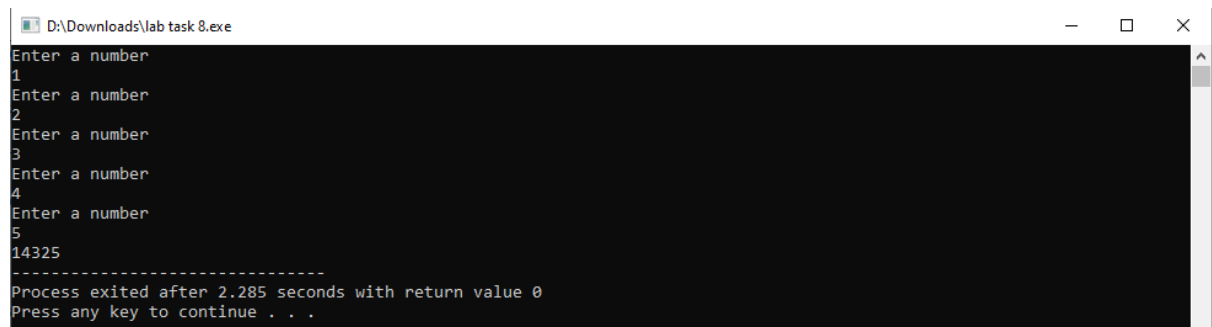
arr[3]=temp;}

}

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

```

```
        cout<<arr[i]<<" ";  
    }  
    return 0;}
```



```
D:\Downloads\lab task 8.exe  
Enter a number  
1  
Enter a number  
2  
Enter a number  
3  
Enter a number  
4  
Enter a number  
5  
14325  
-----  
Process exited after 2.285 seconds with return value 0  
Press any key to continue . . .
```