Fundamental of Programing

Lab Manual # 08

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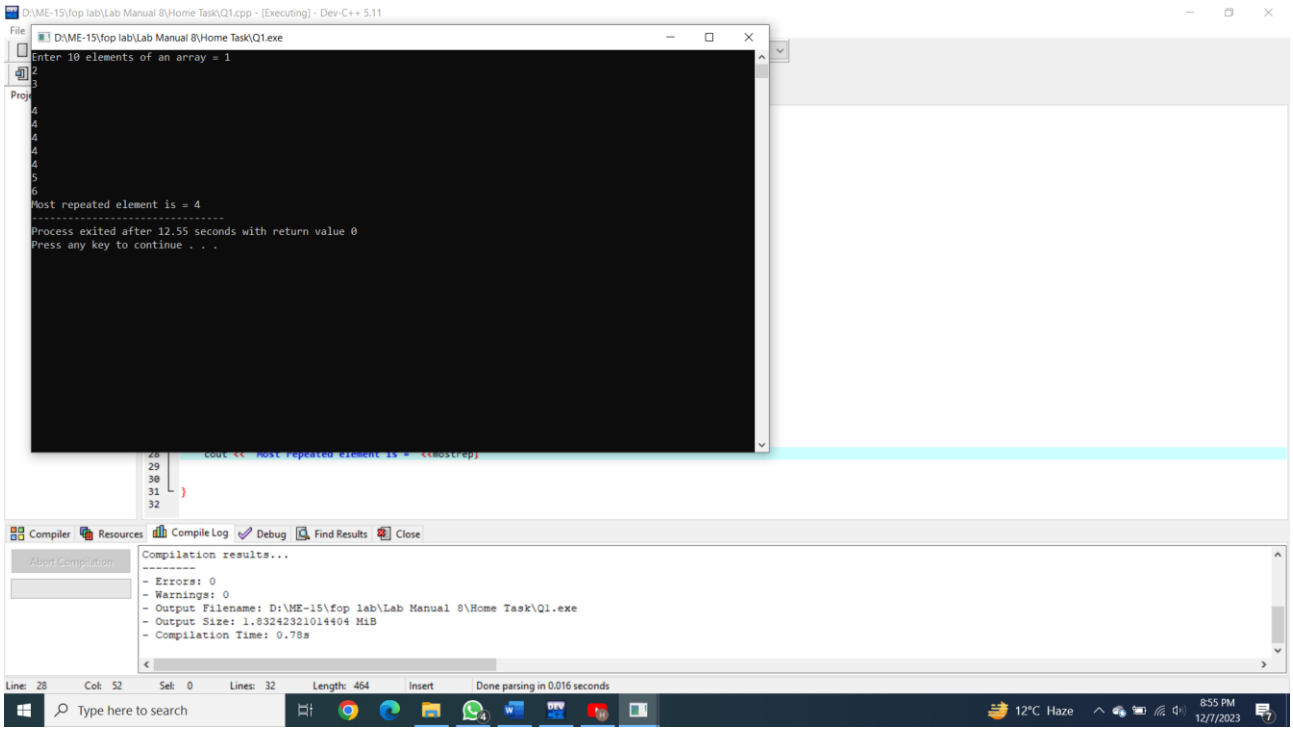
Section: C

Q1(Home Task)

```
#include<iostream>
using namespace std;

int main()
{
int a[10],mostrep,sum1=0;
cout << "Enter 10 elements of an array = ";
for(int i= 1;i <= 10;i++){
cin>>a[i];
}
for(int i = 1;i <= 10;i++){
```

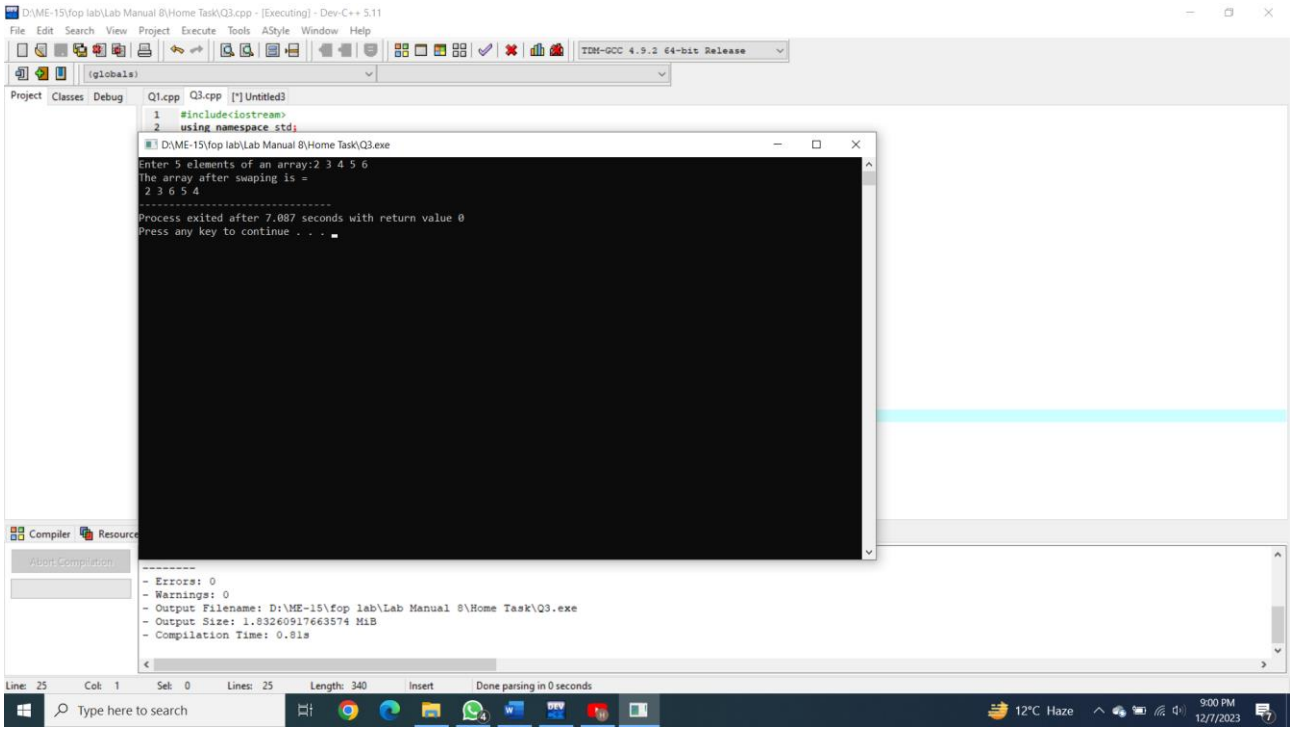
```
int sum = 0;
for(int j = 1; j <= 10; j++){
if (a[i]==a[j]){
sum = sum + 1;
}
}
if (sum > sum1){
sum1 = sum;
mostrep = a[i];
}
}
cout << "Most repeated element is = "<<mostrep;
}
```



Q3(Home Task)

```
#include<iostream>
using namespace std;


int main()
{
```

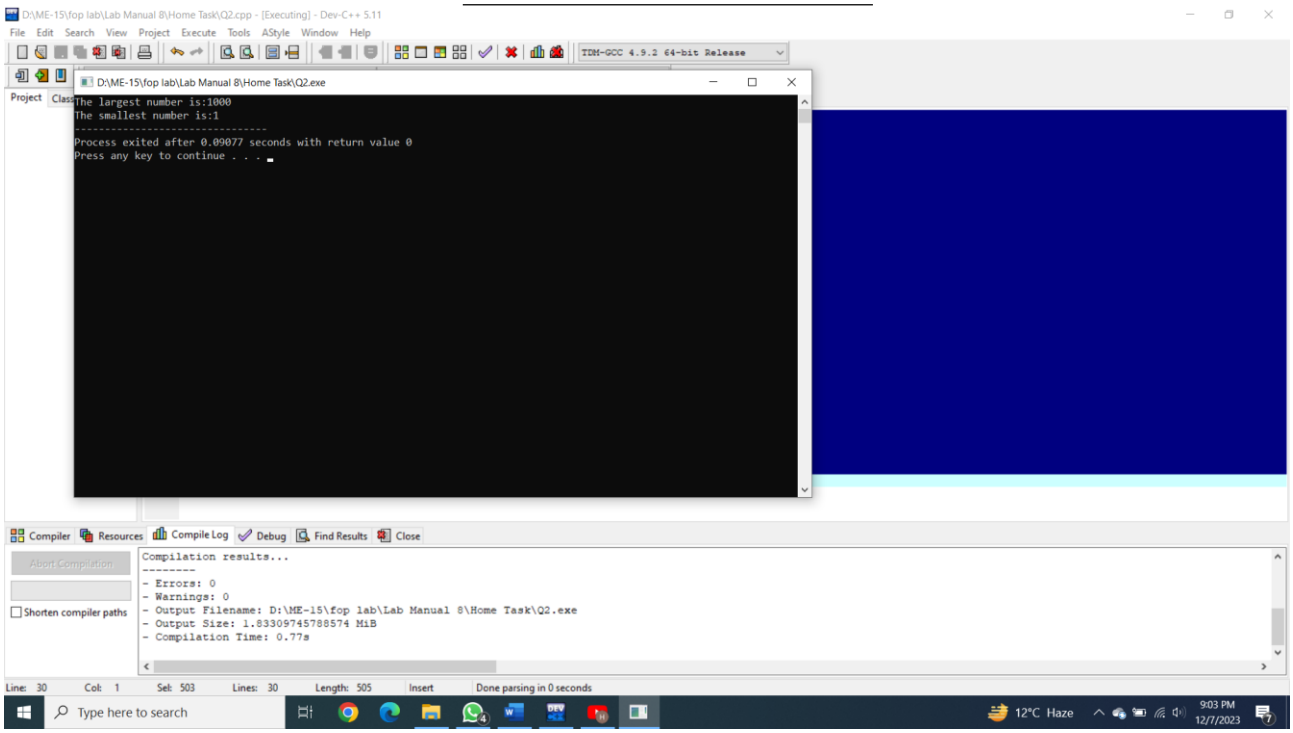
```
int a[5],temp;
cout << "Enter 5 elements of an array:";

for(int i=0;i<=4;i++){
cin>>a[i];
}

temp = a[2];
a[2] = a[4];
a[4] = temp;
cout << "The array after swaping is = "<<endl;

for(int i=0; i <= 4; i++){
cout << " "<< a[i];
}

}
```



Q2(Home Task)

```
#include<iostream>
```

```
using namespace std;

int main(){
int a[8] = {77, 18, 21, 50, 1000, 9, 1, 5};
int max = 0, min;

for(int i=0;i<=7;i++){
for (int j=0;j<=7;j++){

if (a[j] > a[i] && a[j] > max){
max = a[j];
}
}
}

cout << "The largest number is:"<<max;
min = max;

for(int i = 0; i <= 7; i++){
for (int j=0; j<=7; j++){
if (a[j] < a[i] && a[j] < min){
min = a[j];
}
}
}
cout <<endl<<"The smallest number is:"<< min;
}
```


D:\ME-15\fop lab\Lab Manual 8\Home Task\Q2.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
D:\ME-15\fop lab\Lab Manual 8\Home Task\Q2.exe
The largest number is:1000
The smallest number is:1

Process exited after 0.09077 seconds with return value 0
Press any key to continue . . .
Project
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\ME-15\fop lab\Lab Manual 8\Home Task\Q2.exe
- Output Size: 1.83309745788574 MiB
- Compilation Time: 0.77s
Line: 30 Col: 1 Sel: 503 Lines: 30 Length: 505 Insert Done parsing in 0 seconds
Type here to search
12°C Haze
9:03 PM
12/7/2023