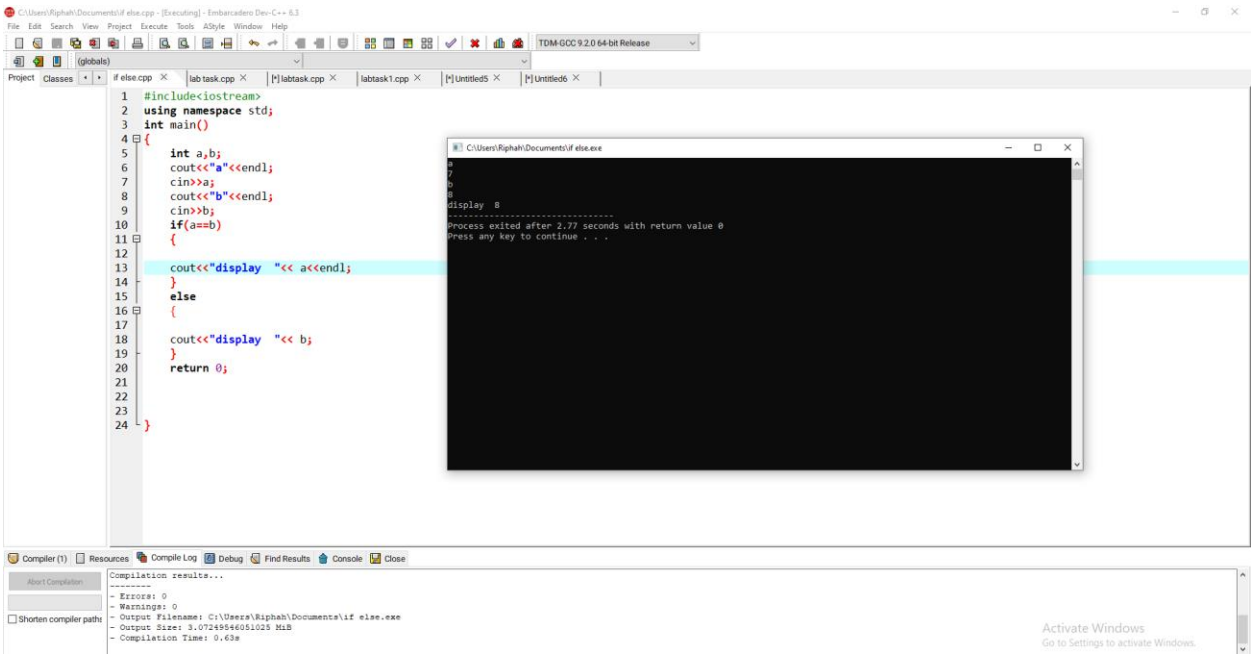
Name: Eman Khurram

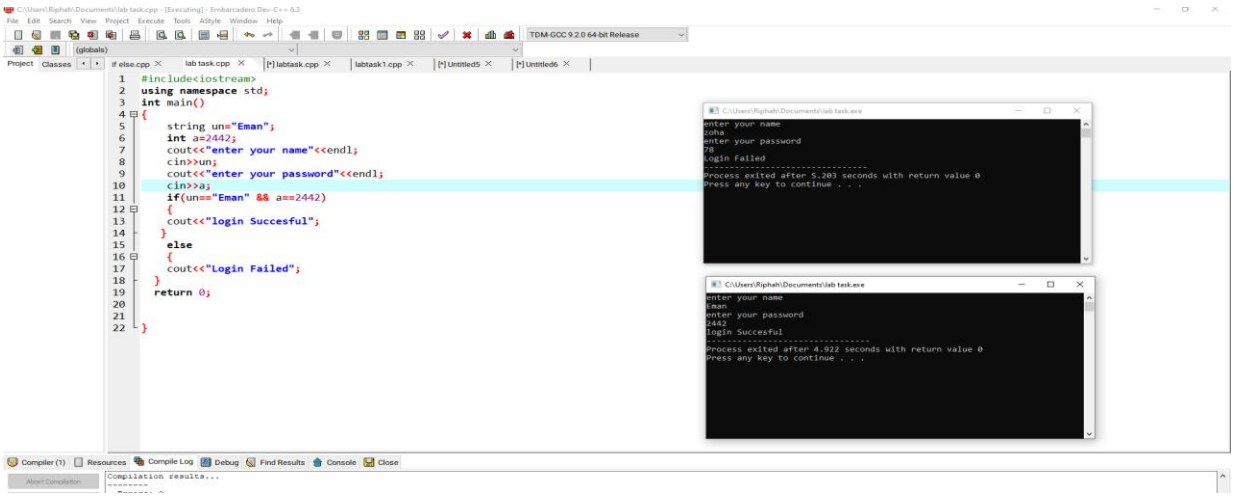
SapID: 63725

LabTask

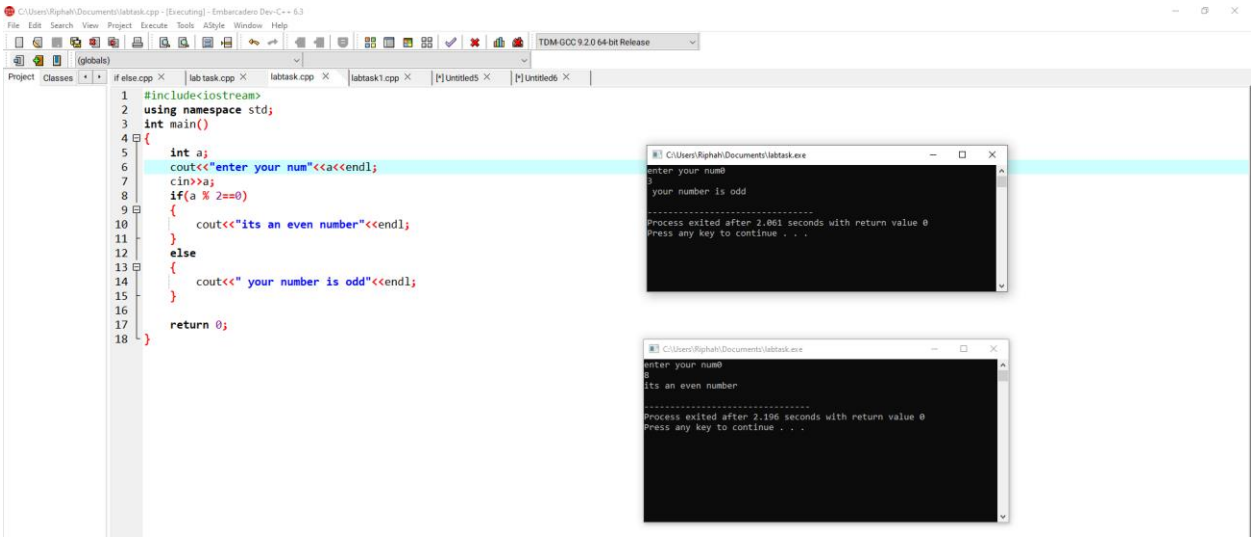
Task 1:



Task 2:



Task 3:



```
#include<iostream>
using namespace std;
int main()
{
    int a;
    cout<<"enter your num"<<a<<endl;
    cin>>a;
    if(a % 2==0)
    {
        cout<<"its an even number"<<endl;
    }
    else
    {
        cout<<" your number is odd"<<endl;
    }

    return 0;
}
```

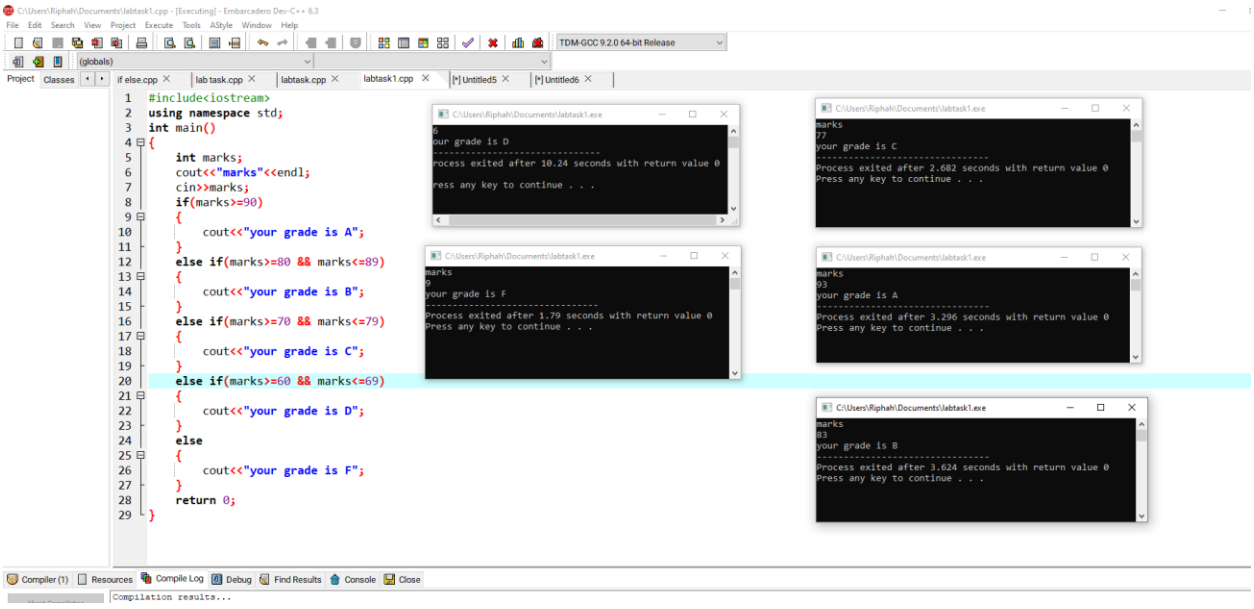
```
enter your num0
3
 your number is odd

--------------------------------
Process exited after 2.061 seconds with return value 0
Press any key to continue . . .
```

```
enter your num0
8
its an even number

--------------------------------
Process exited after 2.196 seconds with return value 0
Press any key to continue . . .
```

Task 4:



```
#include<iostream>
using namespace std;
int main()
{
    int marks;
    cout<<"marks"<<endl;
    cin>>marks;
    if(marks>=90)
    {
        cout<<"your grade is A";
    }
    else if(marks>=80 && marks<=89)
    {
        cout<<"your grade is B";
    }
    else if(marks>=70 && marks<=79)
    {
        cout<<"your grade is C";
    }
    else if(marks>=60 && marks<=69)
    {
        cout<<"your grade is D";
    }
    else
    {
        cout<<"your grade is F";
    }
    return 0;
}
```

```
0
our grade is D
--------------------------------
rocess exited after 10.24 seconds with return value 0

ress any key to continue . . .
```

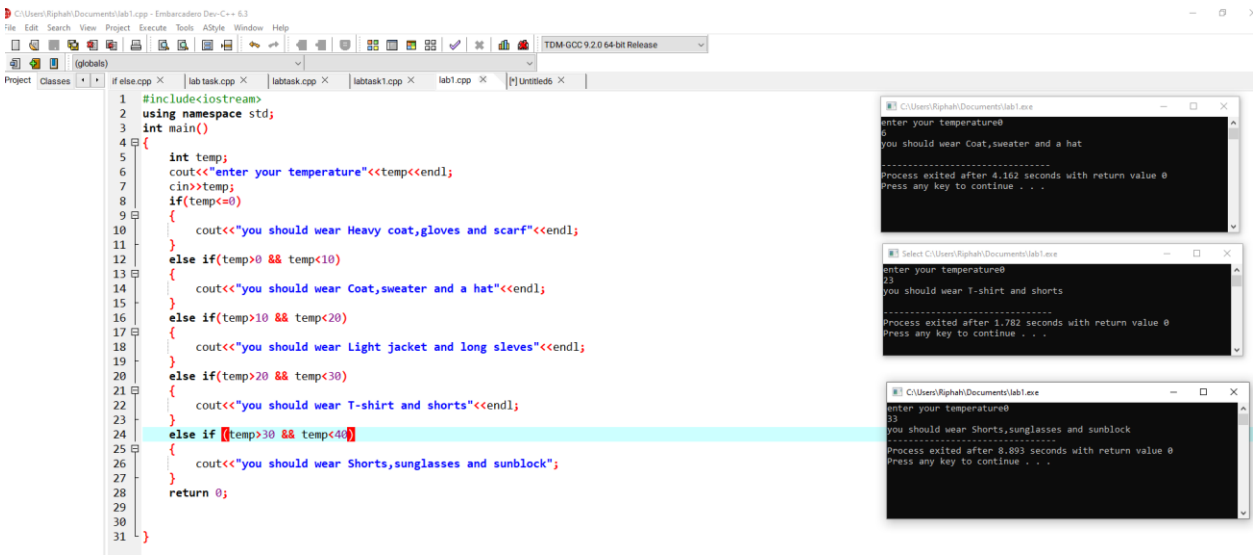
```
marks
77
your grade is C
--------------------------------
Process exited after 2.682 seconds with return value 0
Press any key to continue . . .
```

```
marks
0
your grade is F
--------------------------------
Process exited after 1.79 seconds with return value 0
Press any key to continue . . .
```

```
marks
93
your grade is A
--------------------------------
Process exited after 3.296 seconds with return value 0
Press any key to continue . . .
```

```
marks
83
your grade is B
--------------------------------
Process exited after 3.624 seconds with return value 0
Press any key to continue . . .
```

Task 5:



```cpp
#include<iostream>
using namespace std;
int main()
{
    int temp;
    cout<<"enter your temperature"<<temp<<endl;
    cin>>temp;
    if(temp<=0)
    {
        cout<<"you should wear Heavy coat,gloves and scarf"<<endl;
    }
    else if(temp>0 && temp<10)
    {
        cout<<"you should wear Coat,sweater and a hat"<<endl;
    }
    else if(temp>10 && temp<20)
    {
        cout<<"you should wear Light jacket and long sleves"<<endl;
    }
    else if(temp>20 && temp<30)
    {
        cout<<"you should wear T-shirt and shorts"<<endl;
    }
    else if (temp>30 && temp<40)
    {
        cout<<"you should wear Shorts,sunglasses and sunblock";
    }
    return 0;

}
```

```
enter your temperature0
0
you should wear Coat,sweater and a hat

--------------------------------
Process exited after 4.162 seconds with return value 0
Press any key to continue . . .
```

```
enter your temperature0
23
you should wear T-shirt and shorts

--------------------------------
Process exited after 1.782 seconds with return value 0
Press any key to continue . . .
```

```
enter your temperature0
33
you should wear Shorts,sunglasses and sunblock
--------------------------------
Process exited after 8.893 seconds with return value 0
Press any key to continue . . .
```