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Lab Task: 2

Task 1:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     string a;
6     string cnic;
7     int sem;
8     char grade;
9     cout<<"Enter your name: "<<a<<endl;
10    cin>>a;
11    cout<<"Enter your Cnic: "<<cnic<<endl;
12    cin>>cnic;
13    cout<<"Enter your Semester: "<<sem<<endl;
14    cin>>sem;
15    cout<<"Enter your Grade: " <<grade<<endl;
16    cin>>grade;
17    return 0;
18 }
```

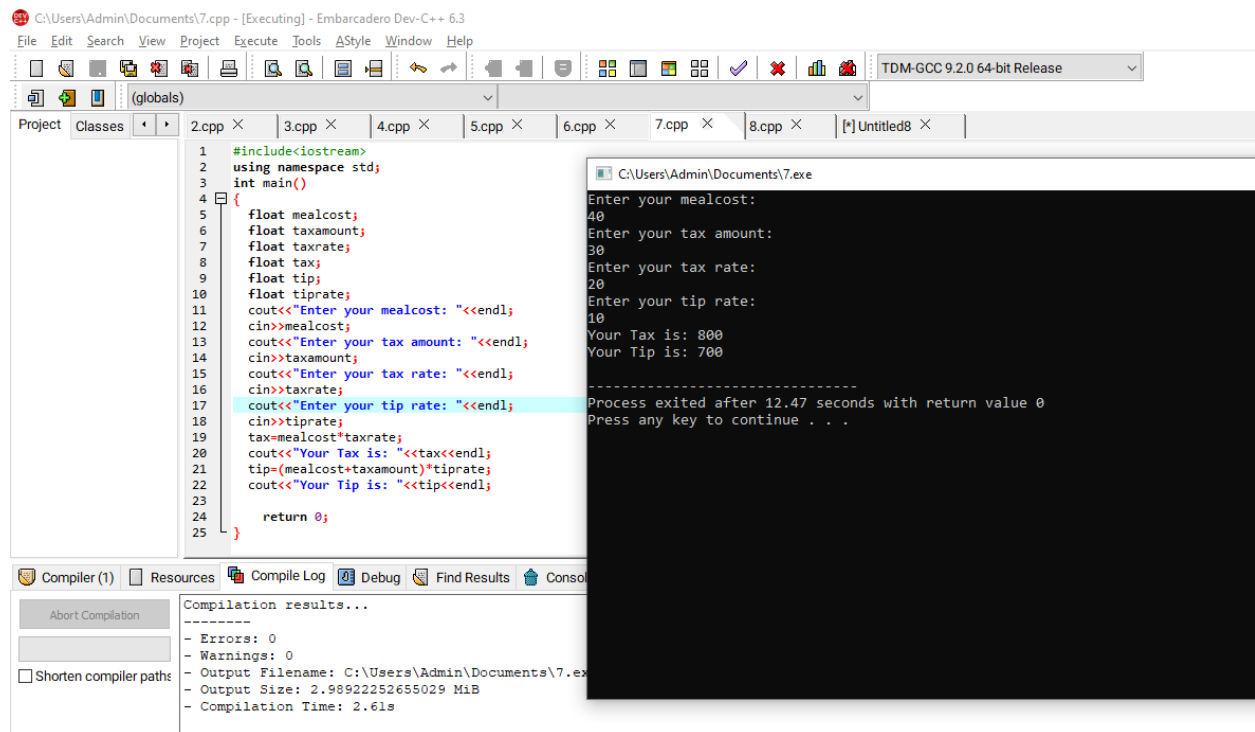
```
Enter your name:
Eman
Enter your Cnic:
1234
Enter your Semester: 0
1
Enter your Grade:
A
-----
Process exited after 12.7 seconds with return value 0
Press any key to continue . . .
```

Task 2:

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     float area;
6     float circumference;
7     int radius;
8     float p;
9     cout<<"Enter your Radius: "<<endl;
10    cin>>radius;
11    cout<<"Enter value of pi: "<<endl;
12    cin>>p;
13    area=p*radius*radius;
14    cout<<"Your Area is: "<<area<<endl;
15    circumference=2*p*radius;
16    cout<<"Your Circumference is: "<<circumference<<endl;
17
18    return 0;
19 }
```

```
Enter your Radius:
12.56
Enter value of pi:
3.14
Your Area is: 12.56
Your Circumference is: 12.56
-----
Process exited after 6.802 seconds with return value 0
Press any key to continue . . .
```

### Task 3:



C:\Users\Admin\Documents\7.cpp - [Executing] - Embarcadero Dev-C++ 6.3

```
File Edit Search View Project Execute Tools AStyle Window Help
```

(globals)

Project Classes 2.cpp × 3.cpp × 4.cpp × 5.cpp × 6.cpp × 7.cpp × 8.cpp × [\*] Untitled8 ×

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     float mealcost;
6     float taxamount;
7     float taxrate;
8     float tax;
9     float tip;
10    float tiprate;
11    cout<<"Enter your mealcost: "<<endl;
12    cin>>mealcost;
13    cout<<"Enter your tax amount: "<<endl;
14    cin>>taxamount;
15    cout<<"Enter your tax rate: "<<endl;
16    cin>>taxrate;
17    cout<<"Enter your tip rate: "<<endl;
18    cin>>tiprate;
19    tax=mealcost*taxrate;
20    cout<<"Your Tax is: "<<tax<<endl;
21    tip=(mealcost+taxamount)*tiprate;
22    cout<<"Your Tip is: "<<tip<<endl;
23
24    return 0;
25 }
```

C:\Users\Admin\Documents\7.exe

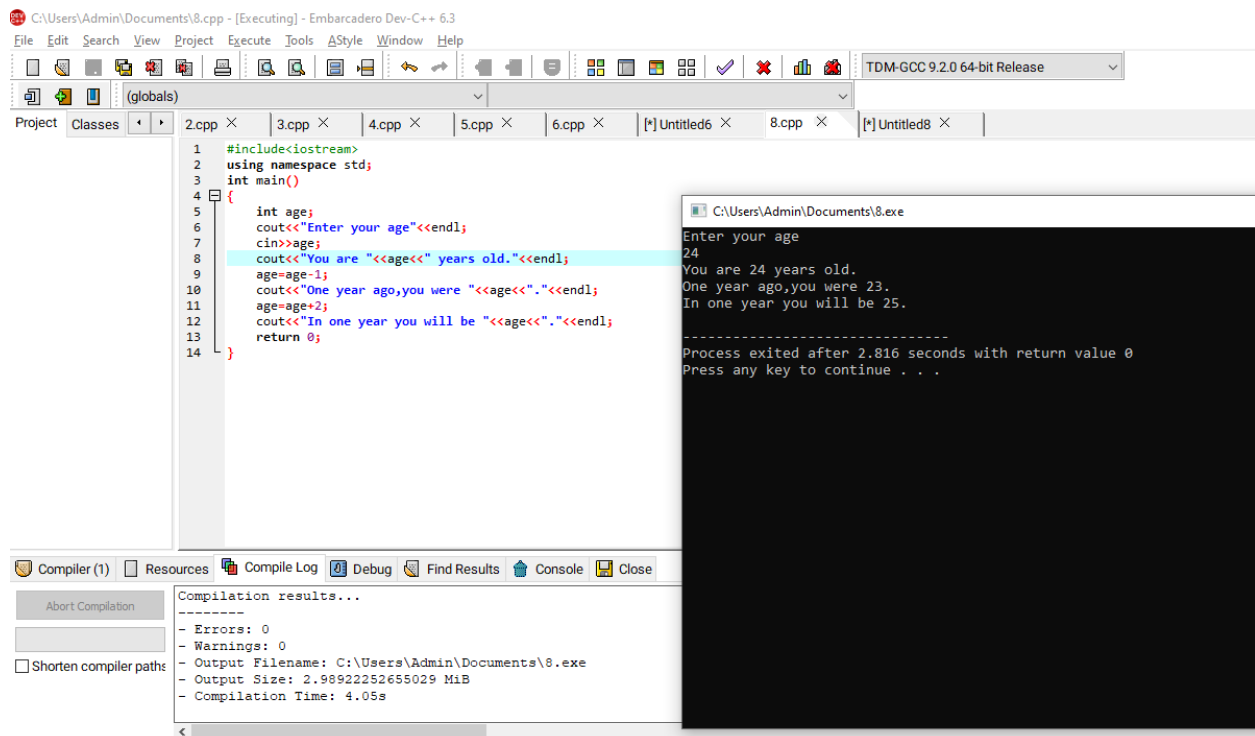
```
Enter your mealcost:
40
Enter your tax amount:
30
Enter your tax rate:
20
Enter your tip rate:
10
Your Tax is: 800
Your Tip is: 700
-----
Process exited after 12.47 seconds with return value 0
Press any key to continue . . .
```

Compiler (1) Resources Compile Log Debug Find Results Console

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\Documents\7.exe
- Output Size: 2.98922252655029 MiB
- Compilation Time: 2.61s
```

### Task 4:



C:\Users\Admin\Documents\8.cpp - [Executing] - Embarcadero Dev-C++ 6.3

```
File Edit Search View Project Execute Tools AStyle Window Help
```

(globals)

Project Classes 2.cpp × 3.cpp × 4.cpp × 5.cpp × 6.cpp × [\*] Untitled6 × 8.cpp × [\*] Untitled8 ×

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int age;
6     cout<<"Enter your age"<<endl;
7     cin>>age;
8     cout<<"You are "<<age<<" years old."<<endl;
9     age=age-1;
10    cout<<"One year ago,you were "<<age<<"."<<endl;
11    age=age+2;
12    cout<<"In one year you will be "<<age<<"."<<endl;
13
14    return 0;
15 }
```

C:\Users\Admin\Documents\8.exe

```
Enter your age
24
You are 24 years old.
One year ago,you were 23.
In one year you will be 25.
-----
Process exited after 2.816 seconds with return value 0
Press any key to continue . . .
```

Compiler (1) Resources Compile Log Debug Find Results Console Close

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\Documents\8.exe
- Output Size: 2.98922252655029 MiB
- Compilation Time: 4.05s
```