Programming Project 3 – Club Decisions

Note: When you turn in an assignment to be graded in this class, you are making the claim that you neither gave nor received assistance on the work you turned in (except, of course, assistance from the instructor or teaching assistants).

In this project, you will calculate the entrance fee into a dance club. You will ask the user to enter their membership status (member or not a member) and their age (21 or older or not). From this information your program will calculate the entrance fee based on the following rules:

- Membership and 21 and over: $21.00
- Membership and under 21: $12.00
- Non-member and 21 and over: $29.00
- Non-member and under 21: $16.00

The program will display the following output where the amount will change depending on the status:

Club cost is $21.00

Here is a typical program run. The sample user input is shown in blue italics.

Input:

Enter your membership status: ***member***

Enter your age: ***24***

Output:

Club cost is $21.00

Before beginning this project, you will document your algorithm as a list of steps to take you from your inputs to your outputs. Each step will be added as a comment block within your code. You will have the comment block right above the code that performs the actions specified.
For example, before your lines of code that ask the user for inputs, you would have a comment block that states what inputs you are requesting from the user. Please see the example code provided as a sample of this.

This and all program files in this course must include a comment block at the beginning (top) of the source code file that contains:

- your name
- the Python program name
- project description
- the date

The comment lines should look like this:

```
################################################################################
#  Your name
#  Python program name
#  Project description
#  The date
################################################################################
```

Your program must be in its own file and must compile and execute correctly using IDLE or the command line.

Name your source code file **`ClubDecisions.py`**. Test your application to be sure that it produces the correct output.

You will submit the following to the Assignment link in Blackboard:

- source code (ClubDecisions.py)

Ask questions about any part of the programming project that is not clear!

Rubric

Topic	Points
Code runs and produces the correct output	30
Code contains a comment block at the top as specified	5
Code contains comment blocks throughout that document the algorithm	5
Decisions are appropriately structured	5
Code is easy to read	5
Total	50