**Assignment 03**

Name your file HW3\_*yourname*.py. Replace *yourname* with your actual name. When you are ready, submit your file as assignment 03 on Canvas.

Part 1) IF STATEMENTS (5 pts)

1. Ask the user for their name and their age
2. Your program should output the following: (replace *name* with user input name)
   1. If they are less than 16, then output : *name,* You can stay at home and study.
   2. If they are 16 or 17, then output : *name,* You can drive but that is all.
   3. If they are 18 through 20, then output : *name,* You can drive and vote.
   4. If they are 21 or older, then output: *name,* You can drive, vote, and gamble.

Part 2) MORE WITH IF STATEMENTS (5 pts)

Write a program using if, elif and else statements that ask the user for 4 numbers and then tells the user which number is the biggest. Note, you must only use if statements. *Any use of other methods (i.e., max) will not be given credit.*

Part 3) Python Program (10 pts)

A software company sells a package that retails for $99. Quantity discounts are given according to the following table. Write a program that asks for the number of units sold and computes the total cost.

|  |  |
| --- | --- |
| Quantity | Discount |
| 10 – 19 | 20% |
| 20 – 49 | 30% |
| 50 – 99 | 40% |
| 100 or more | 50% |

So for example if you ordered 5 items it would cost you $495 (No discount).

If you ordered 25 items, it would cost you $1732.50 with 30% discount (25\*99 – 25\*99\*0.3).

*Note that you can use the round (a, 2) method to round a number to two decimal places. If a = 4.56789 and you code b = round (a, 2), then b will be 4.47.*