

COSC 1336 –Programming Fundamentals I

Program 5 – Decision Structures

A software company sells a package that retails for \$99. Quantity discounts are given according to the following table.

| Quantity | Discount |
|-------------|----------|
| 10 - 19 | 20% |
| 20 - 49 | 30% |
| 50 - 69 | 35% |
| 70 – 99 | 40% |
| 100 or more | 50% |

Write a program that asks for the number of units sold and computes the total cost of the purchase and the savings due to the discount applied. The program should also display the number of units purchased and the discount in percentage. The output should include the following text:

```
Number of units purchased is:
Discount applied is:
Total savings due to discount is:
The total cost of the purchase is:
```

Do NOT use any logical operator in the program. You will not receive credit for the program if you do.

Run the program three times with **5**, **59**, and **110** as the user input for the number of units purchased. Save the output as **Program5-output.py** (Do a "Save As" in the Python Shell Window and it will save as a ".py" file. See Appendix B of your Textbook for more details). Create a folder named, **Fullname_Program5**. Copy your source code and the output file to the folder. Zip the folder, as a **“.zip”** file, and upload it to Blackboard.