Lab 5 – 20 pts

 You can download the Python file Lab5-Exercises.py and write your lines of code under each instructional comment.

1) Take a screenshot of the outputs AND the python script of the exercise and name the files as "yourname_cs110_lab5" and submit to Canvas.
2) Save the editor/python file as yourname_cs110_lab5.py and submit it to Canvas.

[10 pts] Exercise 1 - Booleans

(2 pts) Create three variables x, y, and z. Assign them values of 5, 10, and 0 respectively.

Compare these variables using comparison operators such as <, !=, ==, and >=.
For each comparison, print the Boolean result.

(2 pts) Check if x is less than y and print the result.

(2 pts) Check if x is not equal to y and print the result.

(2 pts) Check if z is equal to 0 and print the result.

(2 pts) Check if x is greater than or equal to y and print the result.

[10 pts] Exercise 2 - Decision Programs

(1 pts) Prompt the user to enter an integer.

(4 pts) Use an if/else statement to check whether the integer is positive or negative, and print a message indicating the result.

(1 pts) Prompt the user to enter a new integer.

(4 pts) Use an if/else statement to check whether the integer is even or odd, and print a message indicating the result.
Hint: Use the remainder operator (%) to determine if a number is even or odd.