Lab 8 – 20 pts

You can download the Python file Lab8-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_lab8" and submit to Canvas.
2) Save the editor/python file as yourname_cs110_lab8.py and submit it to Canvas.
    a. Make sure to save it with the .py extension.

[5 pts] Task 1

Create a function to display the multiplication table for a user-input number.

1. Define a function named multiplication_table that takes a single parameter, number.
2. Inside the function, use a for loop to print the multiplication table for number from 1 to 10.
3. Outside the function, ask the user to input a number
4. Call the function with the user's input.

[15 pts] Task 2

Define a function is_even(number):

- This function should take a number as input.
- Return True if the number is even, and False if it is odd.

Define a function play_even_odd_game():

- Ask the user to enter a number between 1 and 50 (use a question with a colon ":").
- Use the is_even function to check if the number is even or odd.
- Print "The number is even!" if the function returns True, and "The number is odd!" if it returns False.
- Outside the function call play_even_odd_game() to start the game.