Homework 1

Due: 7/10/2018 at 10:39AM

For the following problems, after each problem paste your code followed by your output. Please paste the code in this document and turn in your homework to MOODLE.

1. Write a script that creates a variable called my\_name which stores a name and a variable called my\_age which stores a person’s age in years. The script should get these variables from the user, and then print out: “Hello, my\_name, in 102 years you will be X.” where X =my\_age+102.
2. Create a function that draws a tic-tac-toe grid. Write a script to implement the function.
3. Create a function that takes in the coefficients of a linear equation in standard form and outputs the x-intercept and the y-intercept. Then write a script to execute your function.
   1. Your function should first output the following text: “The standard form of a line is 0=Ay+Bx+C, where A,B, and C are real numbers.”
   2. Your function should then ask the user to input A
   3. Your function should then ask the user to input B
   4. Your function should then ask the user to input C
   5. Your function should then find the x-intercept and save it as a variable called x\_int
   6. Your function should then find the y-intercept and save it as a variable called y\_int
   7. Your function should then output “the x-intercept of your line is: “ x\_int “ and your y-intercept is” y\_int ”.”