**Complete 6 of the following coding challenges and submit the .py files into the 1.1/1.2 dropbox on the HUB. Include the following:**

-A .py file with the problem number in the name.

-Comments to describe functions where necessary.

-Your name, the date and the number of the problem at the top of the code using comments:



01 Ask for the user’s first name, ask for their last name and display the output message Hi there [First Name] [Last Name].

02 Write a code that will display the joke “What do you call something that’s easy to get into, but hard to get out of?” and on the next line display the answer “Trouble!” Create it using one line of code.

03 Ask the user to enter two numbers. Add them together and display the answer as The total is [answer].

04 Ask how many mangoes the user started with and ask how mangoes they have eaten. Work out how many they have left and display the results in a user-friendly format.

05 Ask the user to enter three numbers. Multiply together the first two numbers, then add the total to the third. Display the answer as The answer is [answer] .

06 Ask the user for their name and their age. Add 1 to their age and display the output [Name] on your next birthday you will be [age] .

07 Ask for the total price of the bill, then ask how many diners there are. Divide the total bill by the number of diners and show how much each person has to pay.

08 Ask the user to enter the radius of a circle. Work out the area of the circle.

09 Ask the user to enter two numbers. Use the whole number division to divide the first number by the second and also work out the remainder and display the answer in a user-friendly way (e.g. if they enter 7 and 2 display “7 divided by 2 is 3 with 1 remaining.”)

10 You work for a manufacturer and have been asked to calculate the total profit made on the sales of a product. The cost price per unit (32.67), sell price per unit (45.00), and the starting inventory (1200). Assume all inventory is sold and return the total profit made, rounded to the nearest dollar.

11 Ask the user to input a 4-digit binary integer. Output the number converted into decimal.

12 Ask the user to input a price. Calculate the sales tax on it, then output the price with the taxes.