**CSCI 151 Fall 2013 Test 1 Preparation**

1. Consider the following Python program:

A=5

B=6.7

C =”Bob”

D = A/2

E = A//2

Z = A%2

1. How many variables are in this program?
2. For each variable, list the following: name of the variable, value of the variable and type of the variable.
3. What is the output of the following code:

num = 234

a = num%10

num = num//10

b = num%10

num = num//10

c = num%10

print(a, b, c, num)

1. What is the output of the following code:

price = 93
ball = 8
result = price % ball
rest = price // ball
ball = 0

print (result, rest, ball)

1. Write a program that asks user to enter price of the item and sale tax (as integer number) in the state user lives. The program calculates and prints the final price of the item.
2. Write a program that reads 3 integers and calculates and prints their sum, product and average. The program prints average result using only 2 digits after decimal point.
3. Write a program that reads 2 positive integers and finds sum, product and average of their last digits. The program prints result using only 2 digits after decimal point.
4. Write a program that reads your first and last name and prints the full name. You must use operator + to concatenate strings.