**Name: Session:**

**Programming I**

**Lab Exercise 16 September 2019**

Using Python, solve the following problems. Print out your documented source code and attach to this sheet to turn in. Your source code should have at minimum the following documentation:

#Name of program (i.e. Lab Exercise 9.16.2019 Problem 1)

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#Brief description of program

1. Write a program to print a multiplication table (a times table). At the start, it should ask the user which table to print. The output should look something like this:

Which multiplication table would you like?

5

Here's your table:

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

5 x 10 = 50

5 x 11 = 55

5 x 12 = 60

1. Add something else to the multiplication table program. After asking which table the user wants, ask her how high the table should go.
2. Write a program that prints out the times tables from 1 x 1 to 12 x 12.
3. Write a program that will act as a times tables drill program. The program should ask the user how many problems to generate. It should then generate a random two random integers (from 1 to 12) and ask the user the product of those two integers. The program should provide feedback to the user on whether they were correct or not. When the drill of problems is completed, a score and letter grade should be generated using the 90, 80, 70, 60 scale. Your output should look something like this:

