Lab Assignment 07

2019-2020 Spring CMPE 112 Fundamentals of Programming I

Question 1 [50 pts]

Write a program that prompts the user to input a 7-digit **positive** integer and then outputs the number with the digits reversed. For example, if the input is 1234567, the output should be 7654321.

Your program should take the input from the user as an **integer**, and make the required computation inside a **for loop**.

Note: Do not read the input as a String and do not use String methods!

Hint: Use division and mod operations to separate digits in a number.

Sample Output:

Enter a 7 digit number: 1234567 Reverse of 1234567 is 7654321	Enter a 7 digit number: 8964320 Reverse of 8964320 is 0234698
Enter a 7 digit number: 0236987 Reverse of 236987 is 7896320	

Question 2 [50 pts]

Write a program that prompts the user to input a **positive** integer and outputs a triangle formed from the asterisk (*) of height equal to the entered number. Use **nested for** loops.

Here are some sample outputs:

Enter a number: 5 ***** **** *** ** *	Enter a number: 10 ********** ********* ******** ******* ****** ***** **** *** ** *
Enter a number: 2 ** *	Enter a number: 0