Instructions for Practical Exercise

1. Use the Java_language_basics folder of previous part. This folder will contains code files for each PE that you will do for the Java Language Basics – Part 2 topic.
2. Name code files corresponding to PE numbers. For example, Pe1.java is the code file for Practical Exercise 6 (PE 6)
3. Push your project to git

Practical Exercise: Java Language Basics – Part 2

PE 6: Write a program that takes a character from the user as input and determines whether the character entered is a capital letter, a small case letter, a digit or a special symbol and display appropriately.

Input: A

Output: Capital letter

PE 7: Write a program which accepts a number as input from user and perform the following:

a. sort the number in non-increasing order

b. after sorting sum all the even numbers, the sum should be greater than 15 .

c. if sum is more than 15,then print output as true or false.

Input : 234534

Output : Sorted number in non-increasing order : 544332

Sum of even numbers : 10

False

PE 8: Write a program which accepts a number from user as input (set the limit say 1 - 50 or 1 - 100) User should guess until the the target number is guessed correctly.

Print separate messages for the following:

a. Number guessed is more than original number

b. Number guessed is less than original number

c. Number guessed matches the original number

PE 9: Write a program to reverse any string without using String Buffer.

Input : london

Output : nodnol

PE 10: Write a program for the following condition:

Given 2 inputs , where input1 is string and input 2 is integer value, the last n characters should repeat n number of times in the output String.

Input1:   Stackroute

Input2:   5

Output1:   Stackrouterouterouterouterouteroute

Input1:   Stackroute

Input2:   2

Output1:   Stackroutetete