

EEE 210: Software Engineering

Lab 4 Exercises for Week 5 (5 Jan. – 11 Feb.), Spring 2018

Note:

- Project folder nomenclature: Lab4_*yourname*
- After completion, zip your project folder and upload it to your Moodle account by the end of today's session.
- Any queries during the lab should be discussed merely with the Instructor/TA.
- The output of each exercise you complete should be included (as screenshots) in the report named Report4_*yourname*.
- You are **not allowed** to use the Internet while doing these exercises. Consider this as a quiz!

Exercise 1: Write a Java program to take a number as input, reverse it, and then display it using loops.

Input The user should enter an integer n .

Output The corresponding reversed number should be displayed (shown below)

```
Enter the number: 1315010
The reverse of the number is: 0105131
```

Exercise 2: Write a Java program to check whether the string provided by the user is a palindrome or not. A string is said to be a palindrome if, when reversed, spells the same as the actual string. For example:

1. Hannah, Anna, Nitin are all palindromes.
2. Property, Singer, Aresh are not palindromes.

Input The user provides the input string.

Output The corresponding output is shown below:

```
Enter string: Redivider
Redivider is a palindrome!

Enter string: tia3aits
Tri3aits is not a palindrome!
```

(Note that the code can be easily written in recursive manner).