

Lab Sheet 03

Instructions

- Create a folder in the desktop (i.e. UWU_CST_21XXX) to save your source code files.
 - Zip the main folder and upload it to the given link in the VLE course page each week.
-

1. Write a Java program that takes a user input string and prints the length of the string.
2. Write a Java program that takes a user input string and converts it to uppercase.
3. Write a Java program that takes a user input string and checks if it starts with a specific suffix.
4. Write a Java program that takes a user input string and counts the number of occurrences of a specific character in the string.
5. Write a Java program that takes a user input string and replaces all occurrences of a specific character with another character.
6. Write a Java program that takes a user input string and splits it into an array of substrings based on a specific delimiter.
7. Write a Java program that takes a user input string and reverses it.
8. Write a Java program that takes a user input string and checks if it is a palindrome (reads the same forward and backward).
9. Write a Java program that takes a user input string and do the followings.
 - a) Count the number of characters in that string input
 - b) Print that string input in all Upper Case
 - c) Print that string input in all Lower Case
 - d) Now, take another user input string
 - e) Print both the string inputs by combining them (concatenation)

10. Write a Java program to do the following tasks.

- a) Get two string values from user which are numeric
- b) Print these two string values by using the concatenation
- c) Next, convert these two numerical strings into integer values
- d) Add these two numerical values and print the addition
- e) Compare the two outputs from the b) and d) questions and identify the difference of “+” operator in both addition and concatenation