Hands-on Exercise Objective

After completing the hands-on exercises, you will be able to:

- Understand the usage of String API's.
- Understand the usage of StringBuffer API's.
- Understand the usage of StringTokenizer API's.

Problem Statement 1:

Write a program which creates a String **"Welcome to Java World"** and performs the following

- Returns the character at 5th position and display it.
- Compares the above String with "**Welcome**" lexicographically ignoring case differences and display the result.
- Concatenates **"- Let us learn"** to the above string and display it.
- Returns the position of the first occurrence of character 'a' and display it.
- Replaces all the occurrences of 'a' character with the new 'e' and display it.
- Returns string between 4th position and 10th position and display it.
- Returns the lowercase of the string and display it.

Problem Statement 2:

Write a program which creates a StringBuffer **"This is StringBuffer"** and performs the following.

1. Adds the string "- **This is a sample program"** to existing string and display it.
2. Inserts the string **"Object"** into the existing string at 21st postion and display it.
3. Reverses the entire string and displays it.
4. Replaces the word **"Buffer"** with **"Builder"** and display it.

Problem Statement 3:

Write a program which creates a String "C:\IBM\DB2\PROGRAM\DB2COPY1.EXE". It parses the string with the delimiter as '\' and displays the String in the following format.

Drive: c:\
Folders: IBM || DB2 || PROGRAM
File: DB2COPY1.EXE

Hint: Use String Builder for concatenating the folder names with **|.**