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| 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 theabove 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 **|.** |