6b.Write a JAVA program to perform string functions (take input using buffer reader)

**Code:-**

**import java.io.BufferedReader;**

**import java.io.IOException;**

**import java.io.InputStreamReader;**

**public class StringFunctions {**

**public static void main(String[] args) throws IOException {**

**BufferedReader reader = new BufferedReader(new InputStreamReader(System.in));**

**// Take input string from the user**

**System.out.print("Enter a string: ");**

**String inputString = reader.readLine();**

**// Perform string functions**

**System.out.println("1. Length of the string: " + inputString.length());**

**System.out.println("2. Uppercase: " + inputString.toUpperCase());**

**System.out.println("3. Lowercase: " + inputString.toLowerCase());**

**System.out.println("4. Substring (2nd to 5th character): " + inputString.substring(1, 5));**

**System.out.println("5. Replace 'a' with 'X': " + inputString.replace('a', 'X'));**

**System.out.println("6. Concatenation with ' World': " + inputString.concat(" World"));**

**System.out.println("7. Index of 'e': " + inputString.indexOf('e'));**

**System.out.println("8. Last index of 'l': " + inputString.lastIndexOf('l'));**

**System.out.println("9. Character at index 3: " + inputString.charAt(3));**

**System.out.println("10. Is it equal to 'hello': " + inputString.equals("hello"));**

**// Close the BufferedReader**

**reader.close();**

**}**

**}**