1 EXERCISE USING STRING CLASS

```
public class PalindromeChecker {
    public static void main(String[] args) {
        String input = "A man a plan a canal Panama";

        // Remove spaces and normalize to lowercase
        String clean = input.replaceAll("\\s+", "").toLowerCase();

        // Reverse using StringBuilder
        String reversed = new StringBuilder(clean).reverse().toString();

        System.out.println("Is palindrome? " + clean.equals(reversed));
    }
}
```

2 EXERCISE USING STRING CLASS

```
public class StringCounter {
   public static void main(String[] args) {
      String str = "Java 2026!";
      int vowels = 0, consonants = 0, digits = 0;

      str = str.toLowerCase();
      for (int i = 0; i < str.length(); i++) {
         char ch = str.charAt(i); // Get character at position

         if (ch >= 'a' && ch <= 'z') {
            if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {
               vowels++;
            } else {
               consonants++;
            }
         } else if (ch >= '0' && ch <= '9') {
            digits++;
         }
      }
      System.out.printf("Vowels: %d, Consonants: %d, Digits: %d%n",
vowels, consonants, digits);
   }    }
```

3 EXERCISE USING CALENDER CLASS

```
import java.util.*;
public class Exercise1 {
   public static void main(String[] args)
   {
    int year = 2016;
    int month = 0; // January
    int date = 1;

    Calendar cal = Calendar.getInstance();
    // Sets the given calendar field value and the time value
    // (millisecond offset from the Epoch) of this Calendar undefined.
    cal.clear();
    System.out.println();
    cal.set(Calendar.YEAR, year);
    cal.set(Calendar.MONTH, month);
    cal.set(Calendar.DATE, date);

    System.out.println(cal.getTime());
    System.out.println();
        }
}
```