Day 6

Find length of a string:

```java
import java.util.*;
public class LengthOfString {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String str = sc.nextLine();
        System.out.println("Length: " + str.length());
    }
}
```

Reverse a string:

```java
import java.util.*;
public class ReverseString {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String str = sc.nextLine();
        String rev = new StringBuilder(str).reverse().toString();
        System.out.println("Reversed string: " + rev);
    }
}
```

Compare two strings:

```java
import java.util.*;
public class CompareStrings {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter first string: ");
```

```java
        String str1 = sc.nextLine();
        System.out.print("Enter second string: ");
        String str2 = sc.nextLine();
        System.out.println("Strings are equal: " + str1.equals(str2));
    }
}
```

Count vowels in a string:

```java
import java.util.*;
public class CountVowels {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String str = sc.nextLine();
        int vowels = 0;
        for (char c : str.toLowerCase().toCharArray()) {
            if ("aeiou".indexOf(c) != -1)
                vowels++;
        }
        System.out.println("Number of vowels: " + vowels);
    }
}
```

Convert to uppercase:

```java
import java.util.*;
public class ToUpperCase {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String str = sc.nextLine();
        System.out.println("Uppercase: " + str.toUpperCase());
```

```
    }
}
```

Replace spaces with '-':

```java
import java.util.*;
public class ReplaceSpaces {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String str = sc.nextLine();
        System.out.println("After replacing spaces: " + str.replace(" ", "-"));
    }
}
```

Find a substring:

```java
import java.util.*;
public class FindSubstring {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter main string: ");
        String str = sc.nextLine();
        System.out.print("Enter substring to find: ");
        String sub = sc.nextLine();
        System.out.println("Substring found: " + str.contains(sub));
    }
}
```