SecretMessageDecoder.java

42kbq69je

NEW JAVA RUN

```java
import java.util.Scanner;
public class SecretMessageDecoder {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        String mapping = "DWELHOR";
        System.out.println("Enter 10 numbers (1-7):");
        StringBuilder decodedMessage = new StringBuilder();
        for (int i = 0; i < 10; i++) {
            int number = scanner.nextInt();
            if (number >= 1 && number <= 7) {
                char letter = mapping.charAt(number - 1);
                decodedMessage.append(letter);
            } else {
                System.out.println("Invalid number. Please enter a valid number.");
                i--;
            }
        }
        System.out.println("Decoded message: " + decodedMessage.toString());
    }
}
```

```
7
6
5
4
```

Output:

```
Enter 10 numbers (1-7):
Decoded message: DWELHOROHL
```

AnagramChecker.java

42kbq69je

NEW JAVA RUN

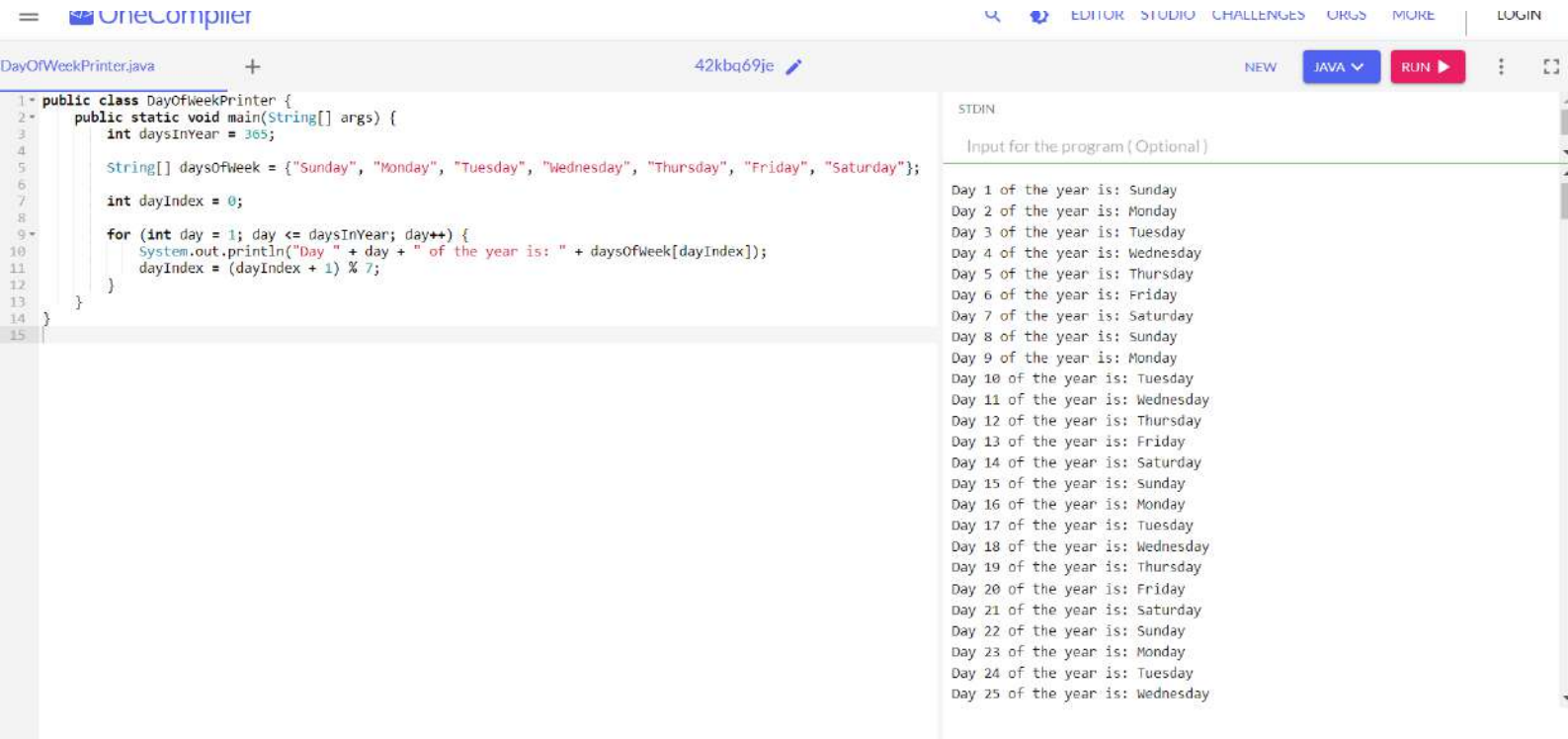
```java
import java.util.Arrays;

public class AnagramChecker {
    public static void main(String[] args) {
        String str1 = "parliament";
        String str2 = "partial men";

        if (isAnagram(str1, str2)) {
            System.out.println(str1 + " and " + str2 + " are anagrams.");
        } else {
            System.out.println(str1 + " and " + str2 + " are not anagrams.");
        }
    }

    public static boolean isAnagram(String str1, String str2) {
        String s1 = str1.replaceAll("[\\s\\p{Punct}]", "").toLowerCase();
        String s2 = str2.replaceAll("[\\s\\p{Punct}]", "").toLowerCase();

        char[] charArray1 = s1.toCharArray();
        char[] charArray2 = s2.toCharArray();

        Arrays.sort(charArray1);
        Arrays.sort(charArray2);

        return Arrays.equals(charArray1, charArray2);
    }
}

```

STDIN

Input for the program (Optional)

Output:

```
parliament and partial men are anagrams.
```


OneCompiler
EDITOR STUDIO CHALLENGES ORGS MORE
LOGIN
DayOfWeekPrinter.java
42kbq69je
NEW
JAVA
RUN
STDIN
Input for the program (Optional)
public class DayOfWeekPrinter {
public static void main(String[] args) {
int daysInYear = 365;
String[] daysOfWeek = {"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"};
int dayIndex = 0;
for (int day = 1; day <= daysInYear; day++) {
System.out.println("Day " + day + " of the year is: " + daysOfWeek[dayIndex]);
dayIndex = (dayIndex + 1) % 7;
}
}
}
Day 1 of the year is: Sunday
Day 2 of the year is: Monday
Day 3 of the year is: Tuesday
Day 4 of the year is: Wednesday
Day 5 of the year is: Thursday
Day 6 of the year is: Friday
Day 7 of the year is: Saturday
Day 8 of the year is: Sunday
Day 9 of the year is: Monday
Day 10 of the year is: Tuesday
Day 11 of the year is: Wednesday
Day 12 of the year is: Thursday
Day 13 of the year is: Friday
Day 14 of the year is: Saturday
Day 15 of the year is: Sunday
Day 16 of the year is: Monday
Day 17 of the year is: Tuesday
Day 18 of the year is: Wednesday
Day 19 of the year is: Thursday
Day 20 of the year is: Friday
Day 21 of the year is: Saturday
Day 22 of the year is: Sunday
Day 23 of the year is: Monday
Day 24 of the year is: Tuesday
Day 25 of the year is: Wednesday

SearchRoutine.java

42kbq69je

NEW JAVA RUN

```java
public class SearchRoutine {
    public static void main(String[] args) {
        String text = "This is a sample text";
        int index = 0;

        while (index < text.length()) {
            char currentChar = text.charAt(index);
            if (currentChar == ' ') {
                break;
            }
            System.out.print(currentChar);
            index++;
        }
    }
}
```

STDIN

Input for the program (Optional)

Output:

This