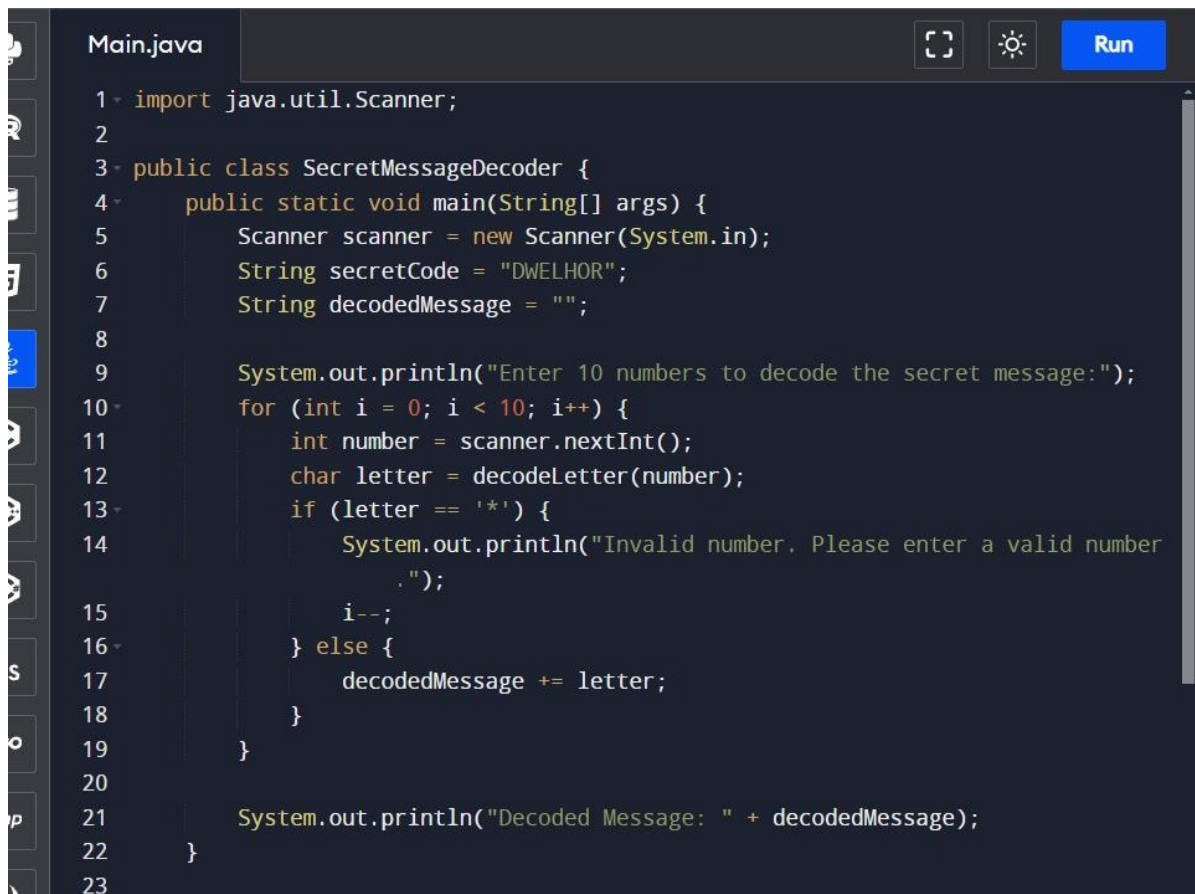


Shaik Mahummad

Reg: 192325031



```
Main.java

1 import java.util.Scanner;
2
3 public class SecretMessageDecoder {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         String secretCode = "DWELHOR";
7         String decodedMessage = "";
8
9         System.out.println("Enter 10 numbers to decode the secret message:");
10        for (int i = 0; i < 10; i++) {
11            int number = scanner.nextInt();
12            char letter = decodeLetter(number);
13            if (letter == '*') {
14                System.out.println("Invalid number. Please enter a valid number.");
15                i--;
16            } else {
17                decodedMessage += letter;
18            }
19        }
20
21        System.out.println("Decoded Message: " + decodedMessage);
22    }
23 }
```

```
19     }
20
21     System.out.println("Decoded Message: " + decodedMessage);
22 }
23
24 public static char decodeLetter(int number) {
25     switch (number) {
26         case 1:
27             return 'D';
28         case 2:
29             return 'W';
30         case 3:
31             return 'E';
32         case 4:
33             return 'L';
34         case 5:
35             return 'H';
36         case 6:
37             return 'O';
38         case 7:
39             return 'R';
40         default:
41             return '*'; // Invalid number
42     }
43 }
```

Output

```
java -cp /tmp/0cAHBJoX7H/SecretMessageDecoder
Enter 10 numbers to decode the secret message:
5 3 4 4 6 2 6 7 4 1
Decoded Message: HELLOWORLD

=== Code Execution Successful ===
```

