



Language Java



input

SecretDecoder.java

```
1 import java.util.Scanner;
2
3 public class SecretDecoder {
4     public static void main(String[] args) {
5         char[] mapping = new char[8];
6         mapping[1] = 'D';
7         mapping[2] = 'W';
8         mapping[3] = 'E';
9         mapping[4] = 'L';
10        mapping[5] = 'H';
11        mapping[6] = 'O';
12        mapping[7] = 'R';
13
14        Scanner in = new Scanner(System.in);
15        StringBuilder decodedMessage = new StringBuilder();
16
17        int count = 0;
18        while (count < 10) {
19            System.out.print("Enter a number between 1 and 7: ");
20            int num = in.nextInt();
21
22            if (num >= 1 && num <= 7) {
23                decodedMessage.append(mapping[num]);
24                count++;
25            } else {
26                System.out.println("Invalid number. Please enter a number between 1 and 7.");
27            }
28        }
29
30        System.out.println("Decoded message: " + decodedMessage.toString());
31
32        in.close();
33    }
34 }
35
```

```
Enter a number between 1 and 7: 1
Enter a number between 1 and 7: 5
Enter a number between 1 and 7: 4
Enter a number between 1 and 7: 7
Enter a number between 1 and 7: 6
Enter a number between 1 and 7: 2
Enter a number between 1 and 7: 3
Enter a number between 1 and 7: 2
Enter a number between 1 and 7: 3
Enter a number between 1 and 7: 1
Decoded message: DHLROWEWED
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```