

```
28     }
29     } while (true);
30 }
31
32 // Print the decoded message
33 System.out.print("Decoded message: ");
34 for (String letter : message) {
35     System.out.print(letter);
36 }
37
38 scanner.close();
39 }
40
41 // Method to decode a number to its corresponding character
42 private static String decodeNumber(int number) {
43     switch (number) {
44         case 1:
45             return "H";
46         case 2:
47             return "E";
48         case 3:
49             return "L";
50         case 4:
51             return "L";
52         case 5:
53             return "O";
```

<terminated> MessageDecoder [Java Application] C:\Users\MAITHREYEE\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.2.v20240802-1626\jre\bin\javaw.exe (23 Aug 2024, 12:58:12 pm – 12:58:31 pm) [pid: 5600]

```
Enter number 1 (valid numbers: 1-7): 5
Enter number 2 (valid numbers: 1-7): 3
Enter number 3 (valid numbers: 1-7): 4
Enter number 4 (valid numbers: 1-7): 4
Enter number 5 (valid numbers: 1-7): 6
Enter number 6 (valid numbers: 1-7): 2
Enter number 7 (valid numbers: 1-7): 6
Enter number 8 (valid numbers: 1-7): 7
Enter number 9 (valid numbers: 1-7): 4
Enter number 10 (valid numbers: 1-7): 1
Decoded message: OLLLWEWRLH
```