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Main.java

Run

Output

Clear

```
1 import java.util.Scanner;
2
3 // Custom exception class
4 class OddNumberException extends Exception {
5     public OddNumberException(String message) {
6         super(message);
7     }
8 }
9
10 public class Main {
11
12     // Method to check if a number is even or odd
13     public static void checkEvenNumber(int number) throws OddNumberException
14     {
15         if (number % 2 != 0) {
16             throw new OddNumberException("The number is odd: " + number);
17         } else {
18             System.out.println("The number is even: " + number);
19         }
20     }
21
22     public static void main(String[] args) {
23         Scanner scanner = new Scanner(System.in);
24         int number = scanner.nextInt();
25         try {
26             checkEvenNumber(number);
27         } catch (OddNumberException e) {
28             System.out.println(e.getMessage());
29         }
30     }
31 }
```

```
java -cp /tmp/b690Xdi3vd/Main
Enter an integer: 3
Exception: The number is odd: 3

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

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```
16-         vowels: " + input);
17-     } else {
18-         System.out.println("The string contains at least one vowel: " +
19-             input);
20-     }
21- }
22-
23- public static void main(String[] args) {
24-     Scanner scanner = new Scanner(System.in);
25-     System.out.print("Enter a string: ");
26-     String input = scanner.nextLine();
27-
28-     try {
29-         checkForVowel(input);
30-     } catch (NoVowelException e) {
31-         System.out.println("Exception: " + e.getMessage());
32-     }
33-
34-     scanner.close();
35- }
```

```
* java -cp ./tmp/VFadi90PXw/Main
Enter a string: rishi
The string contains at least one vowel: rishi

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

31°

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