

Online Java Compiler - Programiz

Java Development Assistance

+

programiz.com/java-programming/online-compiler/

Programiz

Online Java Compiler

Programiz PRO >

Main.java

Run

Share

Clear

```
7 }
8
9 public class Main {
10     public static void checkEvenNumber(int number) throws OddNumberException {
11         if (number % 2 != 0) {
12             throw new OddNumberException("The number is odd: " + number);
13         } else {
14             System.out.println("The number is even: " + number);
15         }
16     }
17
18     public static void main(String[] args) {
19         Scanner scanner = new Scanner(System.in);
20         System.out.print("Enter an integer: ");
21         int number = scanner.nextInt();
22
23         try {
24             checkEvenNumber(number);
25         } catch (OddNumberException e) {
26             System.out.println("Exception: " + e.getMessage());
27         }
28
29         scanner.close();
30     }
31 }
32
```

```
java -cp ./tmp/j7UxUNKerU/Main
Enter an integer: 3
Exception: The number is odd: 3

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

Search

14:24 29-07-2024

Online Java Compiler - Programiz

Java Development Assistance

programiz.com/java-programming/online-compiler/

Programiz  
Online Java Compiler

Programiz PRO

Main.java

Share

Run

```
9- public class Main {
10-     public static void checkForVowel(String input) throws NoVowelException {
11-         if (!input.toLowerCase().matches(".*[aeiou].*")) {
12-             throw new NoVowelException("The string does not contain any vowels: "
13-                 + input);
14-         } else {
15-             System.out.println("The string contains at least one vowel: " +
16-                 input);
17-         }
18-     }
19-     public static void main(String[] args) {
20-         Scanner scanner = new Scanner(System.in);
21-         System.out.print("Enter a string: ");
22-         String input = scanner.nextLine();
23-
24-         try {
25-             checkForVowel(input);
26-         } catch (NoVowelException e) {
27-             System.out.println("Exception: " + e.getMessage());
28-         }
29-         scanner.close();
30-     }
31- }
```

Output

Clear

```
java -cp /tmp/undY4tq12j/Main
Enter a string: deenesh
The string contains at least one vowel: deenesh
=== Code Execution Successful ===
```

Search

ENG IN 14:17 29-07-2024

Online Java Compiler - Programiz

Java Development Assistance

programiz.com/java-programming/online-compiler/

Programiz

Online Java Compiler

Programiz PRO >

Main.java

Share

Run

```
44 }
45
46 class Programmer extends Emp {
47     Programmer(String name, String address, double salary) {
48         super(name, address, salary, "Programmer");
49     }
50
51     @Override
52     double calculateBonus() {
53         return salary * 0.05;
54     }
55 }
56
57 public class Main {
58     public static void main(String[] args) {
59         Emp manager = new Manager("Alice", "123 Main St", 90000);
60         manager.generatePerformanceReview();
61
62         Emp developer = new Developer("Bob", "456 Elm St", 80000);
63         developer.generatePerformanceReview();
64
65         Emp programmer = new Programmer("Charlie", "789 Oak St", 70000);
66         programmer.generatePerformanceReview();
67     }
68 }
69
```

Output

Clear

```
java -cp ./tmp/9pf33Tuc6S/Main
Performance review for Manager Alice:
Address: 123 Main St
Salary: 90000.0
Bonus: 9000.0
Performance review for Developer Bob:
Address: 456 Elm St
Salary: 80000.0
Bonus: 6400.0
Performance review for Programmer Charlie:
Address: 789 Oak St
Salary: 70000.0
Bonus: 3500.0

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

Search

ENG IN

14:25

29-07-2024