



Main.java















Run

```
1 public class ArithmeticExceptionExample {
2     public static void main(String[] args) {
3         try {
4             int result = 10 / 0; // Division by zero
5             System.out.println("Result: " + result);
6         } catch (ArithmeticException e) {
7             System.out.println("Exception caught: Division by zero.");
8         }
9     }
10 }
```



Output

```
java -cp /tmp/4Qf441AFi5/ArithmeticExceptionExample
Exception caught: Division by zero.

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



Main.java














Run

```
1 public class Student {
2     private String name;
3     private int age;
4
5     public Student(String name, int age) {
6         this.name = name;
7         if (age < 0) {
8             throw new IllegalArgumentException("Age cannot be negative");
9         }
10        this.age = age;
11    }
12
13    public static void main(String[] args) {
14        try {
15            Student student1 = new Student("Alice", 20);
16            Student student2 = new Student("Bob", -5);
17        } catch (IllegalArgumentException e) {
18            System.out.println("Error creating student: " + e.getMessage());
19        }
20    }
21 }
```

Output

```
java -cp /tmp/8XvgjG2ry1/Student
Error creating student: Age cannot be negative

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



Main.java

Run

```
1 public class ExceptionHandlingExample {
2     public static void main(String[] args) {
3         try {
4             int[] numbers = {1, 2, 3};
5             System.out.println(numbers[5]);
6         } catch (ArrayIndexOutOfBoundsException e) {
7             System.out.println("Exception caught: Array index out of bounds.");
8         }
9     }
10 }
```

Output

```
java -cp /tmp/ao7tNLINyH/ExceptionHandlingExamp
Exception caught: Array index out of bounds.

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