

```
1 package pri;
2 import java.util.Scanner;
3
4 public class FahrenheitToCelsius {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter temperature in Fahrenheit: ");
9         double fahrenheit = scanner.nextDouble();
10
11         double celsius = (fahrenheit - 32) * 5 / 9;
12
13         System.out.println("Temperature in Celsius: " + celsius);
14
15         scanner.close();
16     }
17 }
18
```

Console ×

<terminated> FahrenheitToCelsius [Java Application] C:\Users\MAITHREYEE\Downloads\eclipse-jee-2024-06-R-win32-x86_64\eclipse\plugins\or

Enter temperature in Fahrenheit: 98.6

Temperature in Celsius: 37.0

```
1 package pri;
2 import java.util.Scanner;
3
4 public class HypotenuseCalculator {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter the length of side a: ");
9         double sideA = scanner.nextDouble();
10
11         System.out.print("Enter the length of side b: ");
12         double sideB = scanner.nextDouble();
13
14         double hypotenuse = Math.sqrt(Math.pow(sideA, 2) + Math.pow(sideB, 2));
15
16         System.out.println("The length of the hypotenuse is: " + hypotenuse);
17
18         scanner.close();
19     }
20 }
21
```

Console ×

<terminated> HypotenuseCalculator [Java Application] C:\Users\MAITHREYEE\Downloads\eclipse-jee-2024-06-R-win32-x86_64\eclipse\plugin

Enter the length of side a: 3

Enter the length of side b: 4

The length of the hypotenuse is: 5.0

```
1 package pri;
2 import java.util.Random;
3
4 public class DiceRollSimulation {
5     public static void main(String[] args) {
6         Random random = new Random();
7
8         int die1 = random.nextInt(6) + 1;
9         int die2 = random.nextInt(6) + 1;
10
11         int sum = die1 + die2;
12
13         System.out.println("Roll of die 1: " + die1);
14         System.out.println("Roll of die 2: " + die2);
15         System.out.println("Sum of both dice: " + sum);
16     }
17 }
18
```

Console ×

<terminated> DiceRollSimulation [Java Application] C:\Users\MAITHREYEE\Downloads\eclipse-jee-2024-06-R-win32-x86_64\eclipse\plugins\or

Roll of die 1: 6

Roll of die 2: 4

Sum of both dice: 10

```
1 package pri;
2 import java.util.Scanner;
3
4 public class ProcessName {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Type your name: ");
9         String fullName = scanner.nextLine();
10
11         String[] nameParts = fullName.split(" ");
12
13         if (nameParts.length == 2) {
14             String firstName = nameParts[0];
15             String lastName = nameParts[1];
16
17             char firstInitial = firstName.charAt(0);
18
19             System.out.println("Your name is: " + lastName + ", " + firstInitial + ".");
20         } else {
21             System.out.println("Please enter a name in the format 'First Last'.");
22         }
23
24         scanner.close();
25     }
26 }
```

Console ×

<terminated> ProcessName [Java Application] C:\Users\MAITHREYEE\Downloads\eclipse-jee-2024-06-R-win32-x86_64\eclipse\plugins\org.eclip

Type your name: jagadeesan maithreyee

Your name is: maithreyee, j.