

```
1 package jk;
2 import java.util.Scanner;
3
4 public class GallonsConverter {
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print("Enter the number of gallons: ");
9         double gallons = scanner.nextDouble();
10
11         final double GALLON_TO_LITER = 3.78541;
12
13         double liters = gallons * GALLON_TO_LITER;
14
15         System.out.printf("%.2f gallons is equal to %.2f liters.%n", gallons, liters);
16
17         scanner.close();
18     }
19 }
```

Console ×



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

```
Enter the number of gallons: 12
12.00 gallons is equal to 45.42 liters.
```

```
1 package jk;
2 import java.util.Scanner;
3
4 public class GallonsConverterTest {
5     public static void main(String[] args) {
6         // Create a Scanner object to get input from the user
7         Scanner scanner = new Scanner(System.in);
8
9         try {
10             // Prompt the user to enter the number of gallons
11             System.out.print("Enter the number of gallons: ");
12             double gallons = scanner.nextDouble();
13
14             // Conversion rate from gallons to liters
15             final double GALLON_TO_LITER = 3.78541;
16
17             // Compute the equivalent number of liters
18             double liters = gallons * GALLON_TO_LITER;
19
20             // Display the result
21             System.out.printf("%.2f gallons is equal to %.2f liters.%n", gallons, liters);
22         } catch (Exception e) {
23             // Handle invalid input
24             System.out.println("Invalid input. Please enter a numeric value.");
25         } finally {
26             // Close the scanner
```

Console ×

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

```
Enter the number of gallons: 15
15.00 gallons is equal to 56.78 liters.
```

```
1 package jk;
2
3 public class GaltoLit {
4     public static void main(String[] args) {
5
6         double gallons = 10.0;
7
8         double litersPerGallon = 3.785;
9
10        double liters = gallons * litersPerGallon;
11
12        System.out.println(gallons + " gallons is " + liters + " liters.");
13    }
14 }
15
16
```

<terminated> GaltoLit [Java Application] C:\Users\MAITHREYEE\Downloads\eclipse-jee-2024-06-R-win32-x86_64\eclipse\plugins\org.eclipse.ju:
10.0 gallons is 37.85 liters.