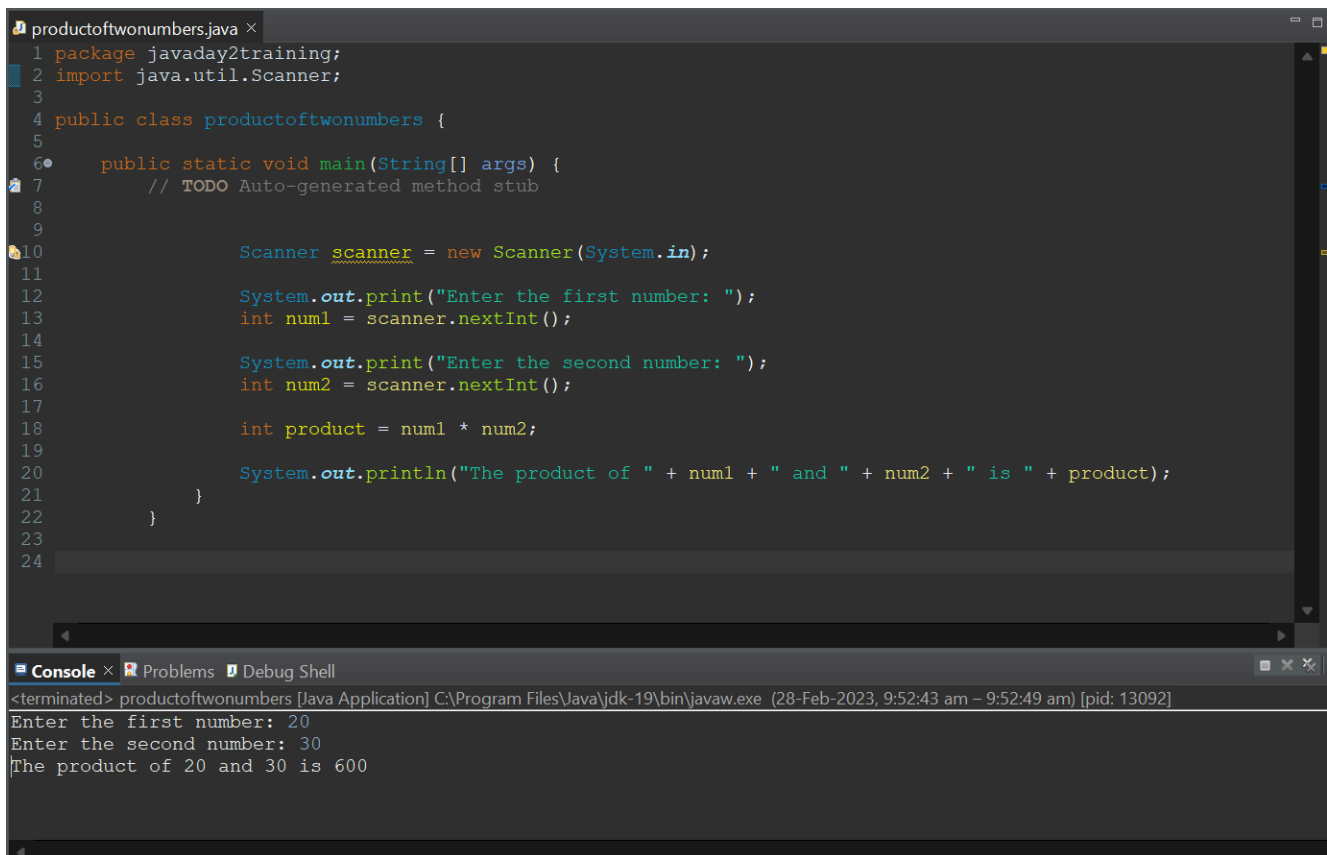


# Java Assignment – 1

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1. Write a Java program to print the product of two numbers.

<https://codeshare.io/4eoQb3>



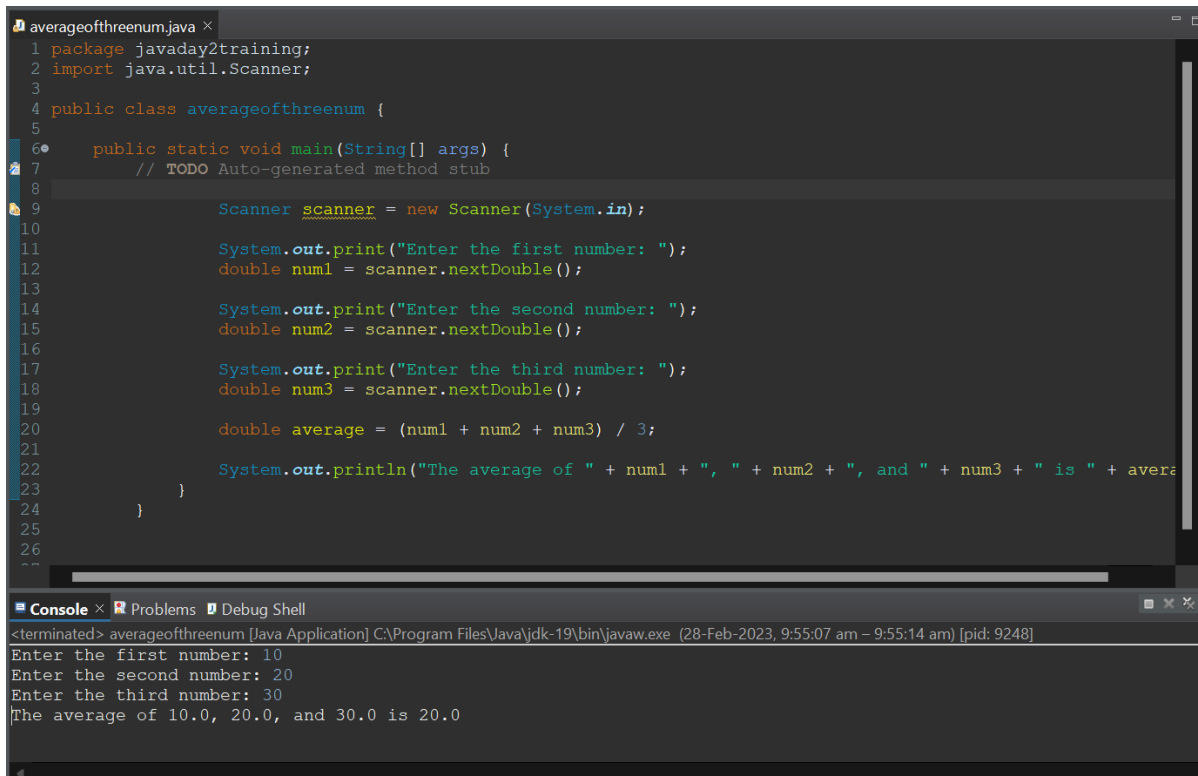
```
productofwonumbers.java ×
1 package javaday2training;
2 import java.util.Scanner;
3
4 public class productofwonumbers {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9
10        Scanner scanner = new Scanner(System.in);
11
12        System.out.print("Enter the first number: ");
13        int num1 = scanner.nextInt();
14
15        System.out.print("Enter the second number: ");
16        int num2 = scanner.nextInt();
17
18        int product = num1 * num2;
19
20        System.out.println("The product of " + num1 + " and " + num2 + " is " + product);
21    }
22 }
23
24
```

Console × Problems Debug Shell

```
<terminated> productofwonumbers [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:52:43 am – 9:52:49 am) [pid: 13092]
Enter the first number: 20
Enter the second number: 30
The product of 20 and 30 is 600
```

## 2. Write a Java program to calculate the average of three numbers.

<https://codeshare.io/qPmDOM>



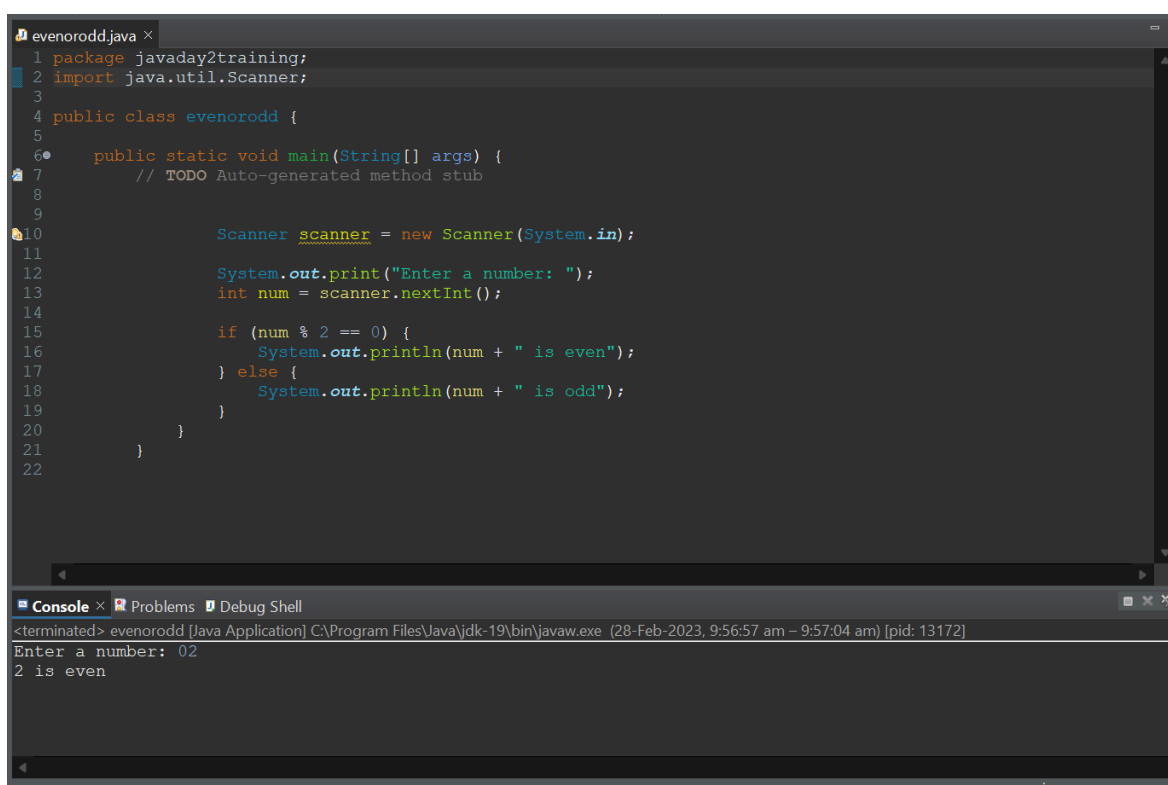
```
averageofthreenum.java ×
1 package javaday2training;
2 import java.util.Scanner;
3
4 public class averageofthreenum {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9         Scanner scanner = new Scanner(System.in);
10
11         System.out.print("Enter the first number: ");
12         double num1 = scanner.nextDouble();
13
14         System.out.print("Enter the second number: ");
15         double num2 = scanner.nextDouble();
16
17         System.out.print("Enter the third number: ");
18         double num3 = scanner.nextDouble();
19
20         double average = (num1 + num2 + num3) / 3;
21
22         System.out.println("The average of " + num1 + ", " + num2 + ", and " + num3 + " is " + average);
23     }
24 }
25
26
27
```

Console × Problems Debug Shell

```
<terminated> averageofthreenum [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:55:07 am – 9:55:14 am) [pid: 9248]
Enter the first number: 10
Enter the second number: 20
Enter the third number: 30
The average of 10.0, 20.0, and 30.0 is 20.0
```

## 3. Write a Java program to check whether a given number is even or odd.

<https://codeshare.io/pqkmX4>



```
evenorodd.java ×
1 package javaday2training;
2 import java.util.Scanner;
3
4 public class evenorodd {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9
10        Scanner scanner = new Scanner(System.in);
11
12        System.out.print("Enter a number: ");
13        int num = scanner.nextInt();
14
15        if (num % 2 == 0) {
16            System.out.println(num + " is even");
17        } else {
18            System.out.println(num + " is odd");
19        }
20    }
21 }
22
```

Console × Problems Debug Shell

```
<terminated> evenorodd [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:56:57 am – 9:57:04 am) [pid: 13172]
Enter a number: 02
2 is even
```

#### 4. Write a Java program to check whether a given year is a leap year.

<https://codeshare.io/QnEzww>

```
leapyear.java x
1 package javaday2training;
2 import java.util.Scanner;
3
4 public class leapyear {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9
10        Scanner scanner = new Scanner(System.in);
11
12        System.out.print("Enter a year: ");
13        int year = scanner.nextInt();
14
15        if ((year % 4 == 0 && year % 100 != 0) || year % 400 == 0) {
16            System.out.println(year + " is a leap year");
17        } else {
18            System.out.println(year + " is not a leap year");
19        }
20    }
21 }
22
23
```

Console x Problems Debug Shell

<terminated> leapyear [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 9:58:55 am – 9:59:00 am) [pid: 15928]

Enter a year: 2023  
2023 is not a leap year

#### 5. Write a Java program to print the ASCII value of a given character.

<https://codeshare.io/zyA4LE>

```
ASCII.java x
1 package javaday2training;
2 import java.util.Scanner;
3
4 public class ASCII {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9
10        Scanner scanner = new Scanner(System.in);
11
12        System.out.print("Enter a character: ");
13        char ch = scanner.next().charAt(0);
14
15        int asciiValue = ch;
16
17        System.out.println("The ASCII value of " + ch + " is " + asciiValue);
18    }
19 }
20
21
22
```

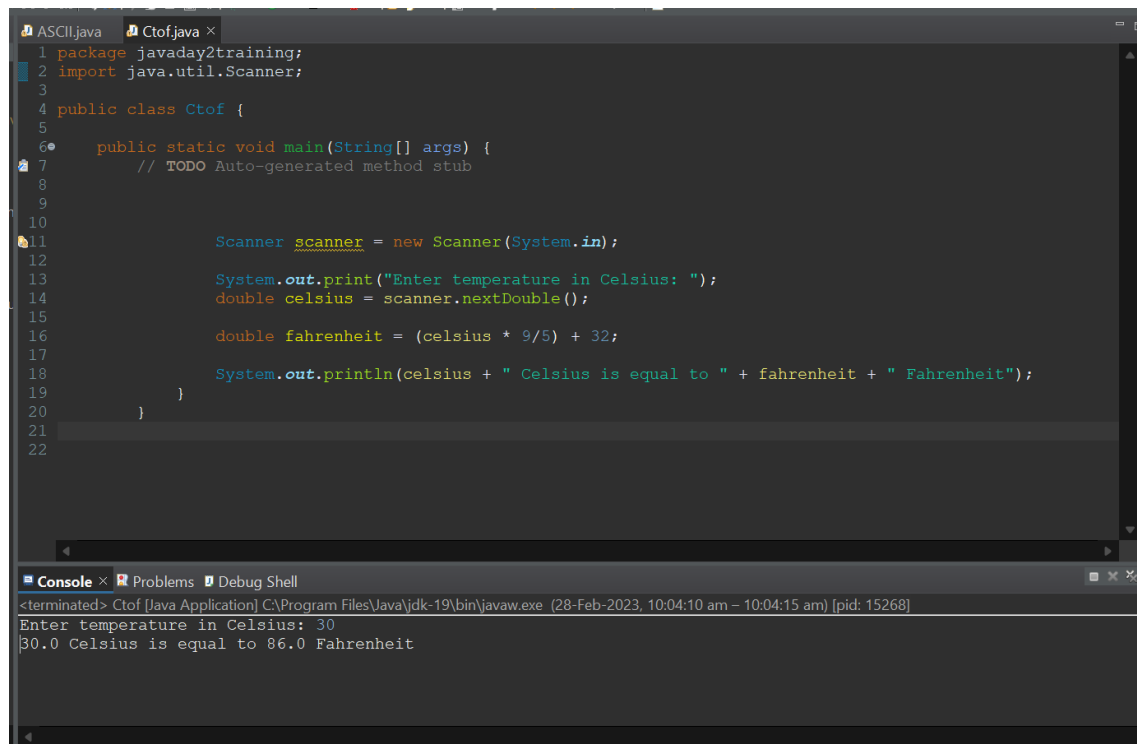
Console x Problems Debug Shell

<terminated> ASCII [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 10:02:34 am – 10:02:39 am) [pid: 3276]

Enter a character: S  
The ASCII value of S is 83

## 6. Write a Java program to convert Celsius to Fahrenheit.

<https://codeshare.io/mpbmwX>



The screenshot shows a Java IDE with a file named `Ctof.java`. The code is as follows:

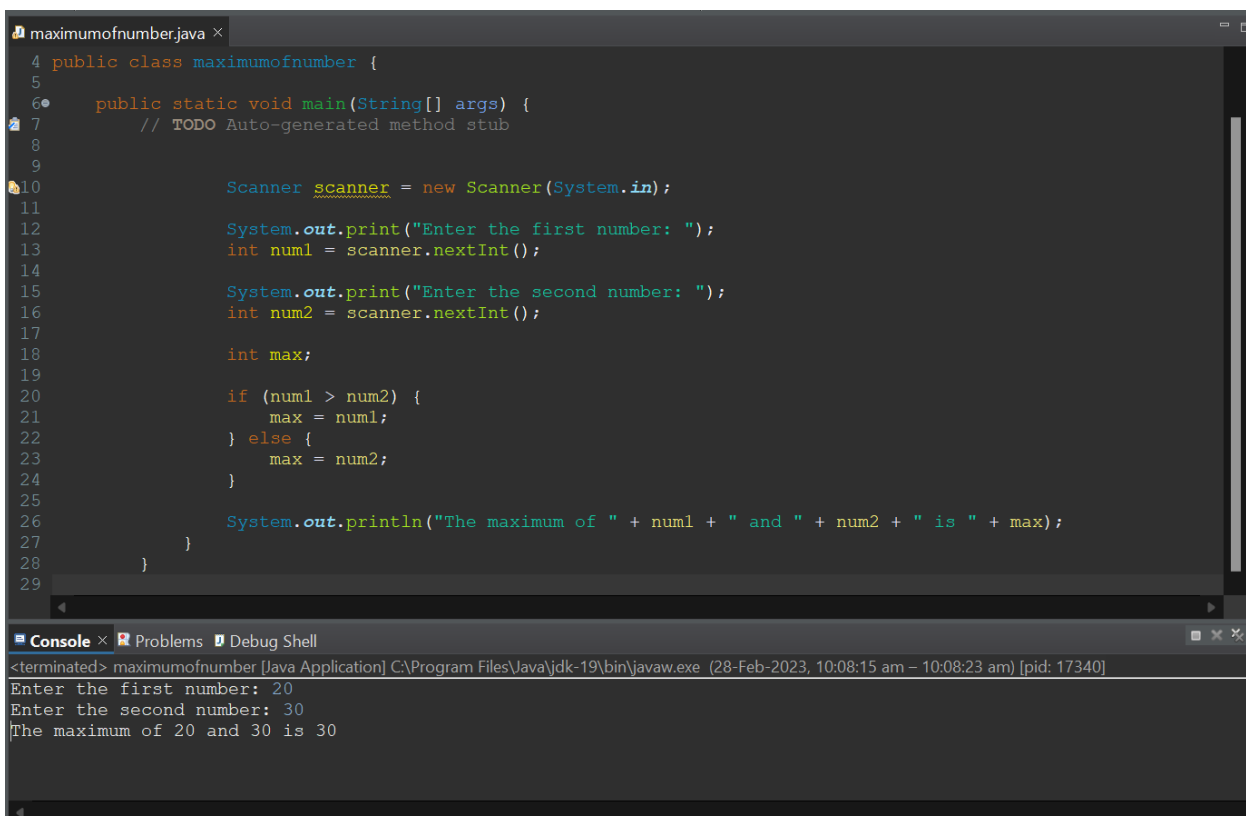
```
1 package javaday2training;
2 import java.util.Scanner;
3
4 public class Ctof {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9
10
11         Scanner scanner = new Scanner(System.in);
12
13         System.out.print("Enter temperature in Celsius: ");
14         double celsius = scanner.nextDouble();
15
16         double fahrenheit = (celsius * 9/5) + 32;
17
18         System.out.println(celsius + " Celsius is equal to " + fahrenheit + " Fahrenheit");
19     }
20 }
21
22
```

The console output shows the program execution:

```
<terminated> Ctof [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 10:04:10 am - 10:04:15 am) [pid: 15268]
Enter temperature in Celsius: 30
30.0 Celsius is equal to 86.0 Fahrenheit
```

## 7. Write a Java program to find the maximum of two numbers.

<https://codeshare.io/3AbzRz>



The screenshot shows a Java IDE with a file named `maximumofnumber.java`. The code is as follows:

```
4 public class maximumofnumber {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8
9
10         Scanner scanner = new Scanner(System.in);
11
12         System.out.print("Enter the first number: ");
13         int num1 = scanner.nextInt();
14
15         System.out.print("Enter the second number: ");
16         int num2 = scanner.nextInt();
17
18         int max;
19
20         if (num1 > num2) {
21             max = num1;
22         } else {
23             max = num2;
24         }
25
26         System.out.println("The maximum of " + num1 + " and " + num2 + " is " + max);
27     }
28 }
29
```

The console output shows the program execution:

```
<terminated> maximumofnumber [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 10:08:15 am - 10:08:23 am) [pid: 17340]
Enter the first number: 20
Enter the second number: 30
The maximum of 20 and 30 is 30
```