Java Assignment – 1

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

   https://codeshare.io/4eoQb3

productoftwonumbers.java

```java
package javaday2training;
import java.util.Scanner;

public class productoftwonumbers {

    public static void main(String[] args) {
        // TODO Auto-generated method stub


                Scanner scanner = new Scanner(System.in);

                System.out.print("Enter the first number: ");
                int num1 = scanner.nextInt();

                System.out.print("Enter the second number: ");
                int num2 = scanner.nextInt();

                int product = num1 * num2;

                System.out.println("The product of " + num1 + " and " + num2 + " is " + product);
            }
        }
```

Console × Problems Debug Shell

```
<terminated> productoftwonumbers [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 " + avera
23         }
24     }
25
26
```

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

```
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 × 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

```
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 × 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

ASCII.java Ctof.java

```java
package javaday2training;
import java.util.Scanner;

public class Ctof {

    public static void main(String[] args) {
        // TODO Auto-generated method stub



                Scanner scanner = new Scanner(System.in);

                System.out.print("Enter temperature in Celsius: ");
                double celsius = scanner.nextDouble();

                double fahrenheit = (celsius * 9/5) + 32;

                System.out.println(celsius + " Celsius is equal to " + fahrenheit + " Fahrenheit");
            }
        }
```

Console Problems Debug Shell

```
<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

maximumofnumber.java

```java
public class maximumofnumber {

    public static void main(String[] args) {
        // TODO Auto-generated method stub



                Scanner scanner = new Scanner(System.in);

                System.out.print("Enter the first number: ");
                int num1 = scanner.nextInt();

                System.out.print("Enter the second number: ");
                int num2 = scanner.nextInt();

                int max;

                if (num1 > num2) {
                    max = num1;
                } else {
                    max = num2;
                }

                System.out.println("The maximum of " + num1 + " and " + num2 + " is " + max);
            }
        }
```

Console Problems Debug Shell

```
<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
```