

00J

Program 1 : Write a program to print an Integer

```
import java.util.Scanner;
```

```
public class HelloWorld {
```

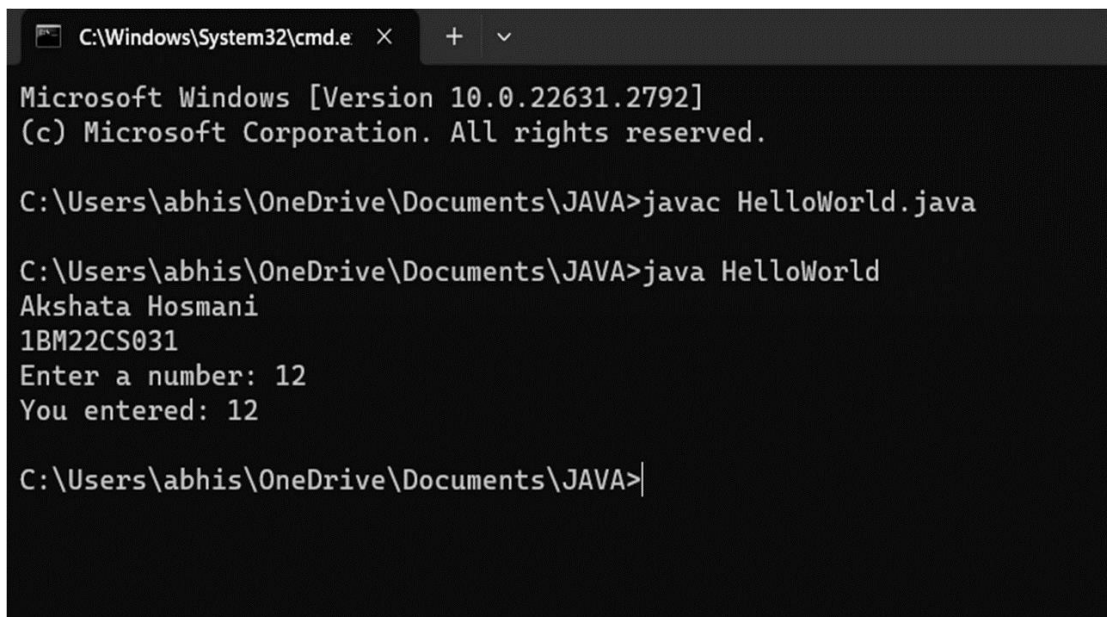
```
    public static void main (String[] args) {
```

```
        Scanner reader = new Scanner (System.in);
```

```
        System.out.print ("Enter a number:");
```

```
        int number = reader.nextInt();
```

```
        System.out.println("You entered: " + number);
```



```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.22631.2792]
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C:\Users\abhis\OneDrive\Documents\JAVA>javac HelloWorld.java

C:\Users\abhis\OneDrive\Documents\JAVA>java HelloWorld
Akshata Hosmani
1BM22CS031
Enter a number: 12
You entered: 12

C:\Users\abhis\OneDrive\Documents\JAVA>
```

Program 2 : Java Program to check whether a Number is Even or odd.

```
import java.util.Scanner;
public class JavaExample {
    public static void main (String[] args) {
        int num;
        System.out.print ("Enter an Integer number");
        Scanner input = new Scanner (System.in);
        num = input.nextInt();
        if (num % 2 == 0)
            System.out.println (num + " is even no.");
        else
            System.out.println (num + " is odd no.");
    }
}
```

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.22631.2792]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abhis\OneDrive\Documents\JAVA>
C:\Users\abhis\OneDrive\Documents\JAVA>javac JavaExample.java
C:\Users\abhis\OneDrive\Documents\JAVA>java JavaExample
Akshata Hosmani
1BM22CS031
Enter an Integer number:
23
23 is an odd number.

C:\Users\abhis\OneDrive\Documents\JAVA>|
```

3 is odd no.

Program 3: Java Program to Print Right Triangle star pattern.

```
public class JavaExample {  
    public static void main (String[] args) {  
        int row, column, noOf Rows = 8;  
        for (row = 0; row < noOf Rows; row++) {  
            { for (column = 0; column <= Row; column++)  
                { System.out.print ("* "); } } } }  
    }
```

```
C:\Windows\System32\cmd.e  x  +  v  
Microsoft Windows [Version 10.0.22631.2792]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\abhis\OneDrive\Documents\JAVA>javac StarPattern.java  
  
C:\Users\abhis\OneDrive\Documents\JAVA>java StarPattern  
Akshata Hosmani  
1BM22CS031  
*  
* *  
* * *  
* * * *  
* * * * *  
* * * * * *  
* * * * * * *  
* * * * * * * *  
  
C:\Users\abhis\OneDrive\Documents\JAVA>|
```

Program 4: Java program to find quotient and remainder

```
public class JavaExample {  
    public static void main(String[] args) {  
        int num1 = 15, num2 = 2;  
        int quotient = num1 / num2;  
        int remainder = num1 % num2;  
        System.out.println("Quotient is: " + quotient);  
        System.out.println("Remainder is: " + remainder);  
    }  
}
```

C:\Windows\System32\cmd.e X + v

Microsoft Windows [Version 10.0.22631.2792]
(c) Microsoft Corporation. All rights reserved.

C:\Users\abhis\OneDrive\Documents\JAVA>javac QR.java

C:\Users\abhis\OneDrive\Documents\JAVA>java QR

Akshata Hosmani

1BM22CS031

Quotient is: 7

Remainder is: 1

C:\Users\abhis\OneDrive\Documents\JAVA>

Program 5: Java program to multiply two numbers

```
public class demo {  
    public static void main (String[] args) {  
        Scanner scan = new Scanner (System.in);  
        System.out.println ("Enter first number");  
        int num1 = scan.nextInt();  
        System.out.println ("Enter second number");  
        int num2 = scan.nextInt();  
        scan.close();  
        int product = num1 * num2;  
        System.out.println ("Output : "+product);  
    }  
}
```

Algorithm:

```
C:\Windows\System32\cmd.e  X  +  v  
Microsoft Windows [Version 10.0.22631.2792]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\abhis\OneDrive\Documents\JAVA>javac Akshata.java  
  
C:\Users\abhis\OneDrive\Documents\JAVA>java Akshata  
Akshata Hosmani  
1BM22CS031  
Enter first number  
12  
Enter second number  
3  
Output: 36  
  
C:\Users\abhis\OneDrive\Documents\JAVA>
```

Program 6: Swap 2 numbers using temporary variable

```
public class swapnumbers {  
    public static void main (String [] args) {  
        float first = 1.20f, second = 2.45f;  
        System.out.println(" -- Before swap -- ");  
        System.out.println("First number" + first);  
        System.out.println("Second number" + second);  
        float temporary = first;  
        seto first = second;  
        second = temporary;  
        System.out.println(" -- After swap -- ");  
        System.out.println("First number" + first);  
        System.out.println("Second number" + second);  
    }  
}
```

Algorithm :

```
C:\Windows\System32\cmd.e  X  +  v  
Microsoft Windows [Version 10.0.22631.2792]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\abhis\OneDrive\Documents\JAVA>javac SwapNumbers.java  
  
C:\Users\abhis\OneDrive\Documents\JAVA>java SwapNumbers  
Akshata Hosmani  
1BM22CS031  
--Before swap--  
First number = 1.2  
Second number = 2.45  
--After swap--  
First number = 2.45  
Second number = 2.45  
  
C:\Users\abhis\OneDrive\Documents\JAVA>|
```