Java Program to Print Hello World

This article covers a program in Java that prints **Hello, World**. To print **Hello, World** on the output screen in Java programming, just place the string "**Hello, World**" inside **System.out.println()** as shown in the program given below.

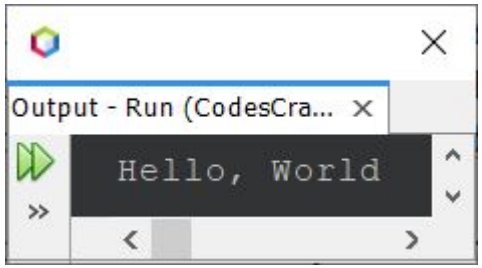
Print Hello World in Java

The question is, *write a Java program to print **Hello, World***. The program given below is its answer:

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

```
        System.out.println("Hello, World");
    }
}
```

When the above Java Program is compiled and executed, it will produce the following output:

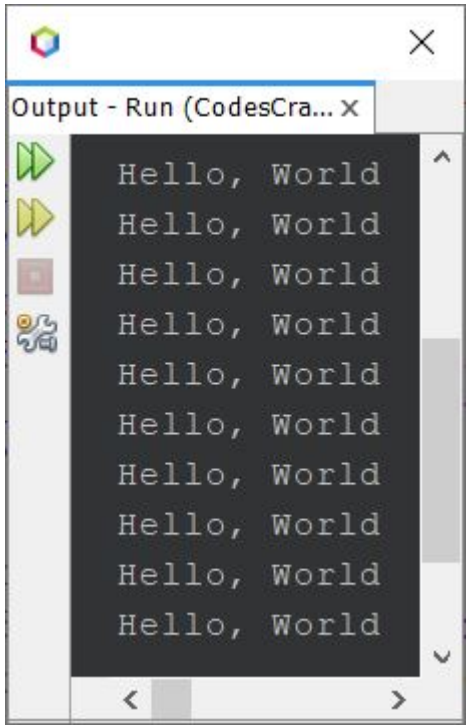


Print Hello World in Java 10 Times using for Loop

This program prints **Hello, World** 10 number of times, using **for** loop.

```
public class CodesCracker
{
   public static void main(String[] args)
   {
      for(int i=0; i<10; i++)
         System.out.println("Hello, World");
   }
}
```

The snapshot given below shows the sample output produced by above Java program on printing of **Hello World** 10 times:



Print Hello World in Java 10 Times using while Loop

This is the same program as of previous, but created using **while** loop, instead of **for**.

```
public class CodesCracker
{
   public static void main(String[] args)
   {
      int i=0;
      while(i<10)
      {
         System.out.println("Hello, World");
         i++;
      }
```

```
    }
}
```

This program produces exactly same output as of previous program. Above program can also be created in this way:

```
public class CodesCracker
{
   public static void main(String[] args)
   {
      int i=0;
      while(i++<10)
         System.out.println("Hello, World");
   }
}
```

That is, in the code:

```
i++<10
```

the current value of **i** gets used, then incremented, as in **i++**, the **++** is the post increment operator.

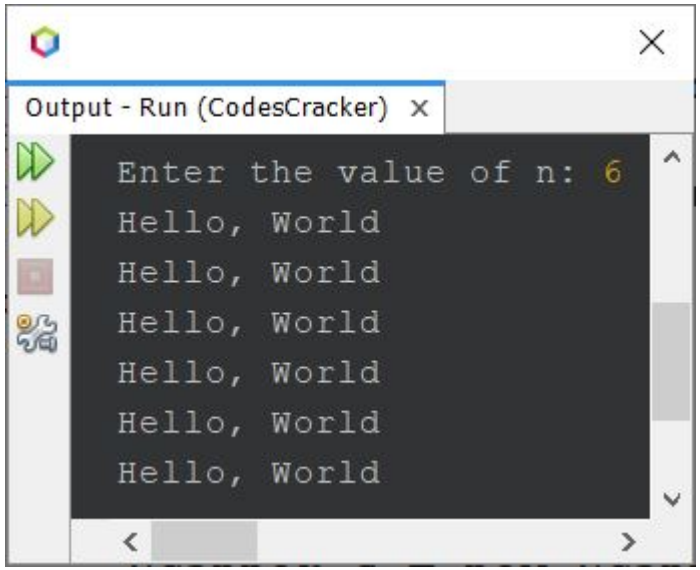
Print Hello World n Times

Now this program prints **n** number of times, the string **Hello, World**. For example, if the value of **n** is 100, then this program prints 100 **Hello, World**. The value of **n** is received by user at run-time of the program, using **Scanner** class.

```
import java.util.Scanner;

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

```
    {
        int n;
        Scanner s = new Scanner(System.in);

        System.out.print("Enter the value of n: ");
        n = s.nextInt();

        for(int i=0; i<n; i++)
            System.out.println("Hello, World");
    }
}
```

The snapshot given below shows the sample run of above program with user input **6** as value of **n** to print 6 **Hello, World**



Print Hello World in Java using Function

To print **Hello, World** in Java using user-defined function, use following program:

```
public class CodesCracker
{
   public static void main(String[] args)
   {
      HelloWorld();
   }
   public static void HelloWorld()
   {
      System.out.println("Hello, World");
   }
}
```

The output of this program is:

```
Hello, World
```

Print Hello World in Java using Class

To print **Hello, World** in Java using class and object, use following program:

```
public class CodesCracker
{
   public static void main(String[] args)
   {
      CodesCracker cc = new CodesCracker();
      cc.HelloWorld();
   }
   public static void HelloWorld()
   {
      System.out.println("Hello, World");
```

```
    }
}
```

This program produces exactly same output as of previous program.

Print Hello World in Java using Constructor

This is the last program of this article, created using a constructor. Constructor gets automatically called after the creation of an object of the class, in which the constructor is defined.

```
public class CodesCracker
{
   CodesCracker()
   {
      System.out.println("Hello, World");
   }
   public static void main(String[] args)
   {
      CodesCracker cc = new CodesCracker();
   }
}
```

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