

100 Java Programs

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Contents

Java Programs.....	1
1. Simple Java Program.....	4
2. Print Integer in java.....	4
3. Command Line Argument.....	4
4. How to get Using input using Scanner Program in java.....	5
5. How to convert Fahrenheit to Celsius Program in java.....	5
6. How to swap 2 no using 3 rd variable Program in java.....	6
7. How to swap 2 no without using 3 rd variable Program in java.....	6
8. How to add two number Program in java.....	7
9. Find Largest no in java Program.....	8
10. If Else clause in java.....	8
11. If Else clause in java- Program 2.....	9
12. Nested If Else clause in java.....	9
13. How to check Odd and Even Number in java.....	10
14. Find factorial for given no Program in Java.....	10
15. How to complete 2 string in Java program.....	11
16. Simple For Loop Program in Java.....	12
17. Print Star console using Loop.....	12
18. Print Star console using Loop.....	13
19. While loop Program in java.....	13
20. Print Reverse number in java program.....	14
21. While loop using break Program in java.....	14
22. While loop using break and continue Program in java.....	15
23. Print all alphabet using for loop Program in java.....	15
24. Enhance loop in java Program.....	16
25. Print Multiplication table Program in java.....	16
26. Print prime no Program in java.....	17
27. Check no is Armstrong or not in java Program.....	18
28. Print Floyd's Triangle in java Program.....	19
29. Find All substring of string in java Program.....	19

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30.	Print reverse string in java Program	20
31.	Check Given No is palindrome or Not in java Program	21
32.	How to add two matrix in java Program.....	22
33.	How to multiply two matrix in java Program.....	23
34.	How to get transpose of matrix in java Program.....	24
35.	How to compare 2 string in java Program.....	25
36.	How to string width with specific char in java Program.....	25
37.	How to use indexOf() in java Program	25
38.	How to replace string with another string in java Program	26
39.	How to split string in java Program	26
40.	How to remove space in string both end in java Program.....	26
41.	How to convert all char in string lower case in java Program	26
42.	How to create method in java Program	27
43.	Find Length, Concatenate and Replace String in Java Program	27
44.	How Static block working in java Program.....	28
45.	Difference between Static and Instance method working in java Program.....	28
46.	How to create Multiple class in java Program.....	29
47.	How to create constructor in java Program.....	29
48.	How to create constructor overloading in java Program	30
49.	Exception Handling java Program.....	30
50.	How to throw exception in java Program	31
51.	Advantage of Finally in Exception Handling java Program	31
52.	How to create Interface in java Program	32
53.	How to print date and time in java Program	32
54.	How to SQL Date in java Program.....	33
55.	How to Date format in java Program	33
56.	How to Generate random number in java Program	34
57.	How perform garbage collection in java Program	34
58.	How to get own IP Address in java Program.....	34
59.	How to open notepad in java Program.....	35
60.	Linear search Program in java	35
61.	Binary search Program in java.....	36
62.	Bubble sort Program in java.....	37
63.	How to connect Database using java Program.....	37
64.	How to insert data in table using JDBC in java Program.....	38
65.	How to insert image using JDBC in java Program.....	38
66.	How to execute Procedure in JDBC in java Program.....	39

Automation Proficient

67.	How to check Regular expression in java Program	39
68.	How to create Multithreading program in java.....	39
69.	How to join thread in java program	40
70.	How to write data in text file using java program.....	40
71.	How to read data from text file using java program	40
72.	How to get URL of site using java Programs	41
73.	How to get IP address from site URL using java program.....	41
74.	How to create AWT program in java	41
75.	How to add lable in AWT program in java.....	42
76.	How to add text area program in java	42
77.	How to dropdown in AWT program in java	42
78.	How to create Swing program in java	43
79.	How to add checkbox in Swing program in java	43
80.	How to convert string to integer in java program	44
81.	How to convert integer to string in java program	44
82.	How to convert string to long in java	44
83.	How to convert string to float in java	44
84.	How to convert string to double in java program.....	44
85.	How to convert string to date in java program	45
86.	Create ArrayList program in java	45
87.	How to create LinkedList program in java	46
88.	How to ArrayList using list interface program in java	46
89.	How to create Hashset program in java.....	47
90.	How to create LinkedHashSet program in java	47
91.	How to create TreeSet program in java.....	48
92.	How to create PriorityQueue program in java.....	48
93.	How to create HashMap using map interface program in java	49
94.	How to create LinkedHashMap program in java.....	49
95.	How to create TreeMap program in java.....	49
96.	How to create Hashtable program in java	50
97.	How to create Array program in java.....	50
98.	How to create Multidimensional array program in java	50
99.	How to create Find Factorial No using Recursion Program in java	51
100.	How to create Method Overriding program in java	51

1. Simple Java Program

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

2. Print Integer in java

```
class Integers {
    public static void main(String[] arguments) {
        int c; //declaring a variable

        /* Using for loop to repeat instruction execution */

        for (c = 1; c <= 10; c++) {
            System.out.println(c);
        }
    }
}
```

3. Command Line Argument in java

```
class Arguments {
    public static void main(String[] args) {
        for (String t: args) {
            System.out.println(t);
        }
    }
}
```

4.How to get Using input using Scanner Program in [java](#)

```
import java.util.Scanner;

class GetInputFromUser
{
    public static void main(String args[])
    {
        int a;
        float b;
        String s;

        Scanner in = new Scanner(System.in);

        System.out.println("Enter a string");
        s = in.nextLine();
        System.out.println("You entered string "+s);

        System.out.println("Enter an integer");
        a = in.nextInt();
        System.out.println("You entered integer "+a);

        System.out.println("Enter a float");
        b = in.nextFloat();
        System.out.println("You entered float "+b);
    }
}
```

5.How to convert Fahrenheit to Celsius Program in [java](#)

```
import java.util.*;

class FahrenheitToCelsius {
    public static void main(String[] args) {
        float temperature;
        Scanner in = new Scanner(System.in);

        System.out.println("Enter temperatue in Fahrenheit");
        temperature = in.nextInt();

        temperature = ((temperature - 32)*5)/9;

        System.out.println("Temperatue in Celsius = " + temperature);
    }
}
```

6. How to swap 2 no using 3rd variable Program in java

```
import java.util.Scanner;

class SwapNumbers
{
    public static void main(String args[])
    {
        int x, y, temp;
        System.out.println("Enter x and y");
        Scanner in = new Scanner(System.in);

        x = in.nextInt();
        y = in.nextInt();

        System.out.println("Before Swapping\nx = "+x+"\ny = "+y);

        temp = x;
        x = y;
        y = temp;

        System.out.println("After Swapping\nx = "+x+"\ny = "+y);
    }
}
```

7. How to swap 2 no without using 3rd variable Program in java

```
import java.util.Scanner;

class SwapNumbers
{
    public static void main(String args[])
    {
        int x, y;
        System.out.println("Enter x and y");
        Scanner in = new Scanner(System.in);

        x = in.nextInt();
        y = in.nextInt();

        System.out.println("Before Swapping\nx = "+x+"\ny = "+y);
    }
}
```

```
x = x + y;
y = x - y;
x = x - y;

System.out.println("After Swapping\nx = "+x+"\ny = "+y);
}
}
```

8.How to add two number Program in [java](#)

```
import java.util.Scanner;

class AddNumbers
{
    public static void main(String args[])
    {
        int x, y, z;
        System.out.println("Enter two integers to calculate their sum ");
        Scanner in = new Scanner(System.in);
        x = in.nextInt();
        y = in.nextInt();
        z = x + y;
        System.out.println("Sum of entered integers = "+z);
    }
}

//For Large Number
import java.util.Scanner;
import java.math.BigInteger;

class AddingLargeNumbers {
    public static void main(String[] args) {
        String number1, number2;
        Scanner in = new Scanner(System.in);

        System.out.println("Enter first large number");
        number1 = in.nextLine();

        System.out.println("Enter second large number");
        number2 = in.nextLine();

        BigInteger first = new BigInteger(number1);
        BigInteger second = new BigInteger(number2);
        BigInteger sum;

        sum = first.add(second);

        System.out.println("Result of addition = " + sum);
    }
}
```

```
}
```

9. Find Largest no in java Program

```
import java.util.Scanner;

class LargestOfThreeNumbers
{
    public static void main(String args[])
    {
        int x, y, z;
        System.out.println("Enter three integers ");
        Scanner in = new Scanner(System.in);

        x = in.nextInt();
        y = in.nextInt();
        z = in.nextInt();

        if ( x > y && x > z )
            System.out.println("First number is largest.");
        else if ( y > x && y > z )
            System.out.println("Second number is largest.");
        else if ( z > x && z > y )
            System.out.println("Third number is largest.");
        else
            System.out.println("Entered numbers are not distinct.");
    }
}
```

10. If Else clause in java

```
class Condition {
    public static void main(String[] args) {
        boolean learning = true;

        if (learning) {
            System.out.println("Java programmer");
        }
        else {
            System.out.println("What are you doing here?");
        }
    }
}
```

11. If Else clause in java- Program 2

// If else in Java code

```
import java.util.Scanner;

class IfElse {
    public static void main(String[] args) {
        int marksObtained, passingMarks;

        passingMarks = 40;

        Scanner input = new Scanner(System.in);

        System.out.println("Input marks scored by you");

        marksObtained = input.nextInt();

        if (marksObtained >= passingMarks) {
            System.out.println("You passed the exam.");
        }
        else {
            System.out.println("Unfortunately you failed to pass the exam.");
        }
    }
}
```

12. Nested If Else clause in java

```
import java.util.Scanner;

class NestedIfElse {
    public static void main(String[] args) {
        int marksObtained, passingMarks;
        char grade;

        passingMarks = 40;

        Scanner input = new Scanner(System.in);

        System.out.println("Input marks scored by you");

        marksObtained = input.nextInt();

        if (marksObtained >= passingMarks) {

            if (marksObtained > 90)
                grade = 'A';

        }
    }
}
```

```
        else if (marksObtained > 75)
            grade = 'B';
        else if (marksObtained > 60)
            grade = 'C';
        else
            grade = 'D';

        System.out.println("You passed the exam and your grade is " + grade);
    }
    else {
        grade = 'F';
        System.out.println("You failed and your grade is " + grade);
    }
}
}
```

13. How to check Odd and Even Number in [java](#).

```
import java.util.Scanner;

class OddOrEven
{
    public static void main(String args[])
    {
        int x;
        System.out.println("Enter an integer to check if it is odd or even ");
        Scanner in = new Scanner(System.in);
        x = in.nextInt();

        if ( x % 2 == 0 )
            System.out.println("You entered an even number.");
        else
            System.out.println("You entered an odd number.");
    }
}
```

14. Find factorial for given no Program in [Java](#)

```
import java.util.Scanner;

class Factorial
{
    public static void main(String args[])
    {
        int n, c, fact = 1;

        System.out.println("Enter an integer to calculate it's factorial");
        Scanner in = new Scanner(System.in);

        n = in.nextInt();
```

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