

```

import java.util.*;

class TestSort1{

public static void main(String args[]){

    ArrayList<String> al=new ArrayList<String>();

    al.add("Viru");

    al.add("Saurav");

    al.add("Mukesh");

    al.add("Tahir");


    Collections.sort(al);

    Iterator itr=al.iterator();

    while(itr.hasNext()){

        System.out.println(itr.next());

    }

}

}

```

## Java Basics

Write a statement to declare two integers called i and j.

Write a statement which assigns the value 67 to the integer variable "i".

Write a statement, using the cast operator, to print out the integer part of the number 23.1256.

Write a program to do the following

a. Declare a variable j of the type integer.

- b. Assign a value to the variable j of type int
- c. Display the content of variable j.
- d. Display the square of the content of variable j.
- e. Display the cube of the content of variable j.

Write a program to perform all arithmetic operations?

Write a program to find sum and average of three numbers?

Write a program to find the area of the circle?

Write a program to find the Cube of the given number?

What is the difference between the types float and double.

What is the difference between the types int and unsigned int?

What is the problem with type casting?

Can I declare a variable anywhere in the program that whenever I required it?

Write a program that prints the string "Miracle World".?

Write a program to find the interest on a bank account for a given rate.  
(Interest=loan\_amount\*rate)

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1. check whether number is positive or negative.
2. Check whether the given number is even or odd.
3. Check whether the year is Leap year or not.
4. Check whether the given number is divisible by both 3 and 5.

5. Check whether the student is passed or failed and if he got passed print which rank obtained.

6. online compiler

8. Print which number is biggest among two numbers?

9. Compare two numbers using ternary operators

10. Print biggest among thCompare two numbers using ternary operators.

11. Print which digit is entered. Print which character is entered.

12. Simple Menu Driven Calculator

13. Print number of days in a given month.

14. Print multiplication table for a given number

15. Print square of each number up to 20

16. Print "n" Even numbers

17. Print sum of all even numbers b/w 1 to n

18. Print even numbers up to n using

a. For

b. while

c. Do-while

19. Program to print the prime numbers from 1 to 10.

20. Print factorial of n.

21. print number of digits in a number

22. Print characters from a to z

23. Given number is p erfect number or not

Print Sum of  $\frac{1}{1} + \frac{1}{2} + \frac{1}{3} + \dots + \frac{1}{n}$ .

Print Sum of  $\frac{1}{1} + \frac{1}{2} + \frac{1}{2^2} + \dots + \frac{1}{2^n}$ .

Print series  $1 + x/1! + x^2/2! + x^3/3! + \dots + x^n/n!$

Check whether the number is Palindrome or not.

Demo of Fibonacci series.

Demo of using Do-while loop to print multiplication table for a given number.

Print the Fibonacci series up to n.

Find big digit in a number

Write a program to read in 10 numbers and compute the average, maximum and minimum values.

Program to print the no of occurrences of a digit in a number.

Program to whether all digits in a given number are equal or not?

Program to print multiplication tables from 1 to 10 upto 12.

Program to add the numbers 1 through n, and then prints the result (which should be less than 50).

Program to generate N prime numbers

Program to print the sum of alternative digits in a given number?

Program to add the first and last digit of given number?

## Strings 05/04/20222

1. Program to delete given character from given string.
2. Program to print number of words and characters in a given string.
3. Program to reverse the string without using predefined function for reverse.
4. Program to convert first letter of each word into uppercase in a given string.
5. Program to implement user-defined function to compare two strings.
6. Program to find length of the string without using predefined function for finding length.
7. Program to print string
  - a.in alphabetical order
  - b.in reverse alphabetical order
8. Program to eliminate special characters and numbers other than [a, A---z, Z].
9. Program to print the names who started with the given array of strings.
10. Program to count the number of vowels and consonants in a given string.

11. Program to print the occurrences of each character in a given string.
12. Program to replace each word's first letter with its previous character in a given sentence?