



# ***JAVA PRACTICE - SET***

## **Basic Operations**

1. Write a Java program to calculate the sum of two numbers.
2. Write a Java program to check if a given number is odd or even.
3. Write a Java program to check if a given number is divisible by 5.

## **Control Statements**

1. Write a Java program to check if a given number is prime.
2. Write a Java program to determine if a given character is an alphabet or digit.
3. Write a Java program using a switch statement to display a brand's slogan based on the brand name.
4. Write a Java program to calculate the provident fund (PF) from a given basic salary.
5. Write a Java program to check marriage eligibility based on age and salary.
6. Write a Java program to find the factorial of a given number.

7. Write a Java program to print the multiplication table of a given number.
8. Write a Java program to print numbers from 100 to 1.
9. Write a Java program to calculate the sum of the digits of a given number.
10. Write a Java program to check if a given number is an Armstrong number.
11. Write a Java program to print all prime numbers from 1 to 100.

## Arrays

1. Write a Java program to print the elements of an array.
2. Write a Java program to calculate the sum of the elements in an array.
3. Write a Java program to reverse the elements of an array.
4. Write a Java program to find the minimum and maximum values in an array.
5. String Methods
6. Write a Java program to demonstrate the use of the `valueOf()` method to convert an integer to a string.
7. Write a Java program to check if a given string starts with a particular character using the `startsWith()` method.
8. Write a Java program to check if a given string ends with a particular character using the `endsWith()` method.
9. Write a Java program to remove leading and trailing spaces from a string using the `trim()` method.
10. Write a Java program to demonstrate the use of the `intern()` method to access the object from the String Constant Pool (SCP).
11. Write a Java program to convert an object to its string representation using the `toString()` method.
12. Write a Java program to convert a string into a character array using the `toCharArray()` method.
13. Write a Java program to compare the contents of two strings using the `equals()` method.

14. Write a Java program to replace characters in a string using the `replaceAll()` method.

## String Manipulation

1. Write a Java program to combine two strings.
2. Write a Java program to reverse a given string.
3. Write a Java program to check if a given string is a palindrome.
4. Write a Java program to check if two given strings are anagrams (first way).
5. Write a Java program to check if two given strings are anagrams (second way).
6. Write a Java program to swap two strings without using a third variable (first way).
7. Write a Java program to swap two strings without using a third variable (second way).
8. Write a Java program to remove vowels from a given string.