

MIT-WPU

Department of Computer Science and Applications

## Practical Assignment No: 01

**Std: MCA- I**

**Subject: Java Programming**

Assignment Date 21<sup>st</sup> July 2025

Submission Date: 15<sup>th</sup> August 2025

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### Part – I (Basic Programs)

1. Write a Java program to print the sum, multiply, subtract, divide and remainder of two numbers
2. Write a Java program that takes five numbers as input to calculate and print the average of the numbers
3. Write a Java program to convert a decimal number to binary numbers
4. Write a Java program to convert a binary number to decimal number
5. Write a Java program and compute the sum of the digits of an integer
6. Write a Java program to compare two numbers
7. Write a Java program to count the letters, spaces, numbers, and other characters of an input string
8. Write a Java program to print the even and odd numbers from 1 to 20 by using call to two different methods belongs same super class
9. Write a Java program to compute the sum of the first 100 prime numbers
10. Write a Java program to swap the first and last elements of an array and create a new array
11. Write a Java program to count the number of even and odd elements in a given array
12. Write a Java program to check if a positive number is a palindrome or not
13. Write a Java program to add two numbers without using any arithmetic operators
14. Write a Java program to add all the digits of a given positive integer
15. Write a java program to Compute the Sum of the Principal and Secondary Diagonals elements of a Matrix