

Assignment I

Date of Submission: 07th March, 2025

1. Write a java program to print first 10 numbers in Fibonacci sequence. Also print the sum of the numbers.
2. Write a java program to print primes from 1 to 1000.
3. Write a java program to print a Fibonacci sequence where only first 8 positive prime numbers are present. Also print the prime numbers separately.
4. Write a java program to print the following sequence:
0,2,1,4,1,8,2,16,3,32,5,64,8,... up to a given limit.
5. Write a java program to print the following sequence:
0,-1,1,-4,1,-7,2,-10,3,-13,5,-16,8,... up to a given limit.
6. Write a java program to print Factorial of a given number. Use any loop.
7. Write a java program to print the following sequence:
2, 1, 4, 2, 6, 6, 8, 24, 10, and so on up to a given limit.
8. Java Program to Find GCD of two Numbers.
9. Write a java program to print sum of n terms in the series $1/1! + 1/2! + 1/3! + \dots$
10. Java Program to Display Alphabets (A to Z) using loop.
11. Java Program to Calculate the Power of a Number.
12. Java Program to Display Factors of a Number.
13. Java Program to Check Whether a Number can be Expressed as Sum of Two Prime Numbers.
14. Write a java program to check whether a given number is palindrome number or not.
15. Write a program to generate 5 Random nos. between 1 to 100.
16. Write a program to find sum of all integers greater than 100 and less than 200 that are divisible by 7.