

1. Java program to print prime numbers between given range .

Example:

Input:

Enter the lower limit : 20

Enter the upper limit :120

Output:

Prime numbers between given range are :

23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79,
83, 89, 97, 101, 103, 107, 109, 113

2. Write a program to compute and display the sum of the following series:

$$S = (1 + 2) / (1 * 2) + (1 + 2 + 3) / (1 * 2 * 3) + \dots + (1 + 2 + 3 + \dots + n) / (1 * 2 * 3 * \dots * n)$$

3. Write programs to find the sum of the given series:

$$1 + (1/2!) + (1/3!) + (1/4!) + \dots + (1/n!)$$

4. Write programs to print the series:

$$0, 1, 1, 2, 4, 7, \dots, n \text{ terms}$$
