Write a program to find out the sum of series .

import java.util.Scanner;

public class SeriesSum {

public static void main(String[] args) {

// Create a Scanner object for user input

Scanner scanner = new Scanner(System.in);

// Prompt the user to enter the value of N

System.out.print("Enter the value of N: ");

int N = scanner.nextInt();

// Variable to store the sum of the series

double sum = 0;

// Calculate the sum of the series

for (int i = 1; i <= N; i++) {

sum += 1.0 / i;

}

// Display the result

System.out.println("The sum of the series is: " + sum);

// Close the scanner

scanner.close();

}

}