Write a program to find out the sum of series $1+\frac{1}{2}+\frac{1}{3}+\frac{1}{4}+…..+\frac{1}{N}$ .

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();

 }

}