

<https://swayam.gov.in>[https://swayam.gov.in/nc\\_details/NPTEL](https://swayam.gov.in/nc_details/NPTEL)

200801168@rajalakshmi.edu.in ▾

**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Problem Solving Through Programming In C (course)**



Click to register  
for Certification  
exam

([https://examform.nptel.ac.in/2023-10/exam\\_form/dashboard](https://examform.nptel.ac.in/2023-10/exam_form/dashboard))

If already  
registered, click  
to check your  
payment status

## Course outline

**How does an  
NPTEL  
online  
course  
work? ()**

**Week 0 : ()**

**Week 1 ()**

**Week 2 ()**

**Week 3 ()**

**Week 4 ()**

**Week 5 ()**

# Week 5 : Programming Assignment 4

**Due on 2023-08-31, 23:59 IST**

Write a C program to find sum of following series where the value of N is taken as input

$$1 + 1/2 + 1/3 + 1/4 + 1/5 + \dots 1/N$$

**Your last recorded submission was on 2023-08-29, 21:21 IST**

Select the Language for this assignment. C ▾

```
1 #include<stdio.h>
2 int main()
3 {
4     int N;
5     float sum = 0.0;
6     scanf("%d",&N); /*Read the value of N from test cases provided*/
7
8     /* Complete the program. Please use the printf statement given below:
9
10    printf("Sum of the series is: %.2f\n",sum);
11
12    */
13    for(float i=1;i<=N;i++)
14    {
15        sum+=(1/i);
16    }
17    printf("Sum of the series is: %.2f",sum);
18    return 0;
19 }
```

- Lecture 21:  
For Statement  
(Contd.) (unit?  
unit=52&lesso  
n=53)
- Lecture 22:  
Example of If-  
Else (unit?  
unit=52&lesso  
n=54)
- Lecture 23 :  
Example of  
Loops (unit?  
unit=52&lesso  
n=55)
- Lecture 24 :  
Example of  
Loops  
(Contd.) (unit?  
unit=52&lesso  
n=56)
- Lecture 25 :  
Example of  
Loops  
(Contd.), Use  
of FOR Loops  
(unit?  
unit=52&lesso  
n=57)
- Quiz: Week 5 :  
Assignment 5  
(assessment?  
name=236)
- Week 5 :  
Programming  
Assignment 1  
(/noc23\_cs121  
/progassignm  
ent?  
name=237)
- Week 5 :  
Programming  
Assignment 2  
(/noc23\_cs121  
/progassignm  
ent?  
name=238)
- Week 5 :  
Programming  
Assignment 3  
(/noc23\_cs121

You may submit any number of times before the due date. The final submission will be considered for grading.

**This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.**





### Sample Test Cases

	Input	Output
Test Case 1	6	Sum of the series is: 2.45
Test Case 2	50	Sum of the series is: 4.50

/progassignment?  
ent?  
name=239)

☒ **Week 5 :  
Programmin  
g Assignment  
4  
(/noc23\_cs12  
1/progassign  
ment?  
name=240)**

☐ Feedback  
Form of Week  
5 (unit?  
unit=52&lesso  
n=241)

**Week 6 ()**

**DOWNLOAD  
VIDEOS ()**

**Books ()**

**Text  
Transcripts ()**

**Problem  
Solving  
Session -  
July 2023 ()**