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

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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 + .. 1/N

Your last recorded submission was on 2023-08-30, 20:34 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(int i=1;i<=N;i++)
14 {
15    float r=1.0/i;
16    sum=sum+r;
17 }
18 printf("Sum of the series is: %.2f",sum);
19 return 0;
20 }
```

Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

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Problem Solving Session - July 2023 ()

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.

| Save as Draft | Compile & Run | Submit | Reset |

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