Week-05 Program-04

Due on 2020-03-05, 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

Sample Test Cases

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Sum of the series is: 5.19</td>
</tr>
<tr>
<td>20</td>
<td>Sum of the series is: 3.60</td>
</tr>
<tr>
<td>6</td>
<td>Sum of the series is: 2.45</td>
</tr>
<tr>
<td>50</td>
<td>Sum of the series is: 4.50</td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```c
#include<stdio.h>
int main()
{
    int N;
    float sum = 0.0;
    scanf("%d",&N); /*Read the value of N from test cases provided*/
    /* Complete the program. Please use the printf statement given below: */
    printf("Sum of the series is: %.2f",sum);
    return 0;
}
```
Loops (unit? unit=6&lesson=38)

Lecture 24:
Example of Loops (Contd.)
(unit? unit=6&lesson=38)

Lecture 25:
Example of Loops (Contd.), Use of FOR Loops
(unit? unit=6&lesson=39)

Quiz:
Assignment 5
(assessment? name=104)

Week-05
Problem-01
(/noc20_cs06/progassignment? name=118)

Week-05
Problem-02
(/noc20_cs06/progassignment? name=119)

Week-05
Problem-03
(/noc20_cs06/progassignment? name=120)

Week-05
Program-04
(/noc20_cs06/progassignment? name=121)

Week-05
Program-05
(/noc20_cs06/progassignment? name=122)

Feedback For Week 5 (unit? unit=6&lesson=130)

```
for(i=1;i<=N;i++)
    sum = sum + ((float)1/(float)i);
printf("Sum of the series is: %.2f",sum);
```