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



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# Week 7: Programming Assignment 2

Due on 2023-09-14, 23:59 IST

tel as in/2023, 10/exam form/dashboard). Write a C program to find the sum of all elements of each row of a matrix.

Example: For a matrix 456

673

123

The output will be

15

16

6

Course outline

How does an NPTEL online course work? ()

Week 0: ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Private Test cases used for evaluation

Test Case 1

Input Expected Output Actual Output Status

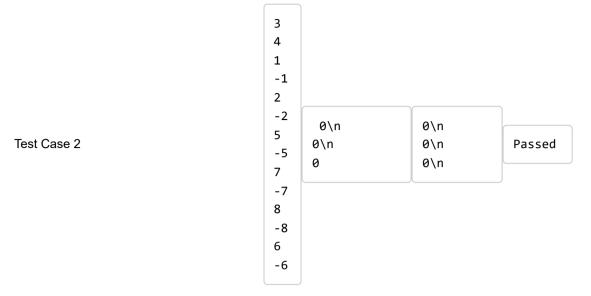


#### Week 6 ()

#### Week 7 ()

- Lecture 31 : Linear Search (unit? unit=69&lesso n=70)
- Lecture 32 :
   Character
   Array and
   Strings (unit?
   unit=69&lesso
   n=71)
- Lecture 33 : String Operations (unit? unit=69&lesso n=72)
- D Lecture 34 : 2-D Array Operation (unit? unit=69&lesso n=73)
- Lecture 35:IntroducingFunctions(unit?unit=69&lesson=74)
- Quiz: Week 7: Assignment 7 (assessment? name=248)
- Week 7:
   Programming
   Assignment 1
   (/noc23\_cs121
   /progassignment?
   name=249)
- Week 7:
   Programmin
   g Assignment

   (/noc23\_cs12
   1/progassign



The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

### Assignment submitted on 2023-09-02, 23:27 IST

Your last recorded submission was :

```
1 #include <stdio.h>
 2
   int main()
 3
 4
        int matrix[20][20];
        int i,j,r,c;
 6
        scanf("%d",&r); //Accepts number of rows
scanf("%d",&c); //Accepts number of columns
 7
8
 9
10
        for(i=0;i< r;i++) //Accepts the matrix elements from the test case data</pre>
11
             for(j=0;j< c;j++)</pre>
12
13
                  scanf("%d",&matrix[i][j]);
14
15
16
17
    /*Complete the code to print the sum of each rows. Use the printf() statement
18
    printf("%d\n",sum); Where sum is the sum of a row.
19
20
   for(i=0;i<r;i++)</pre>
21
22
23
      int sum=0;
      for(j=0;j<c;j++)</pre>
24
25
      sum+=matrix[i][j];
26
27
      printf("%d\n",sum);
28
   }
   return 0;
29
```

## ment? name=250)

- Week 7:
   Programming
   Assignment 3
   (/noc23\_cs121
   /progassignment?
   name=251)
- Week 7:
   Programming
   Assignment 4
   (/noc23\_cs121
   /progassignment?
   name=252)
- Feedback
  Form of Week
  7 (unit?
  unit=69&lesso
  n=255)
- Assignment 7Solution (unit? unit=69&lesso n=76)

Week 8 ()

Week 9 ()

Week 10 ()

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Problem Solving Session -July 2023 ()