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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

Write a C program to find the sum of all elements of each row of a matrix.

Example: For a matrix

4	5	6
6	7	3
1	2	3

The output will be

15
16
6

Your last recorded submission was on 2023-09-06, 13:50 IST

Select the Language for this assignment. C ▾

```

1 #include <stdio.h>
2 int main()
3 {
4     int matrix[20][20];
5     int i,j,r,c;
6
7     scanf("%d",&r); //Accepts number of rows
8     scanf("%d",&c); //Accepts number of columns
9
10    for(i=0;i<r;i++) //Accepts the matrix elements from the test case data
11    {
12        for(j=0;j<c;j++)
13        {
14            scanf("%d",&matrix[i][j]);
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++)
21    {
22        int sum=0;
23        for(j=0;j<c;j++)
24        {
25            sum=sum+matrix[i][j];
26        }

```

Course outline

How does an
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Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

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```
27     printf("%d\n",sum);
28 }
29 return 0;
30 }
31
```

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	3	3 6 9
	3	
	1	
	1	
	1	
	2	
	2	
	2	
	3	
	3	
Test Case 2	3	6 15
	2	
	3	
	1	
	2	
	3	
	4	
	5	
	6	