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

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Course outline

- How does an NPTEL online course work? ()
- Week 0 : ()
- Week 1 ()
- Week 2 ()
- Week 3 ()
- Week 4 ()
- Week 5 ()

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

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	3 2 4 4 5 5 6 6	8\n 10\n 12	8\n 10\n 12\n	Passed

Test Case 2	3 4 1 -1 2 -2 5 -5 7 -7 8 -8 6 -6	0\n 0\n 0	0\n 0\n 0\n	Passed

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 :

```c
#include <stdio.h>
int main()
{
    int matrix[20][20];
    int i,j,r,c;

    scanf("%d",&r); //Accepts number of rows
    scanf("%d",&c); //Accepts number of columns

    for(i=0;i< r;i++) //Accepts the matrix elements from the test case data
    {
        for(j=0;j< c;j++)
        {
            scanf("%d",&matrix[i][j]);
        }
    }
/*Complete the code to print the sum of each rows. Use the printf() statement
 printf("%d\n",sum); Where sum is the sum of a row.
*/
for(i=0;i<r;i++)
{
  int sum=0;
  for(j=0;j<c;j++)
{
  sum+=matrix[i][j];
}
  printf("%d\n",sum);
}
return 0;
}
```