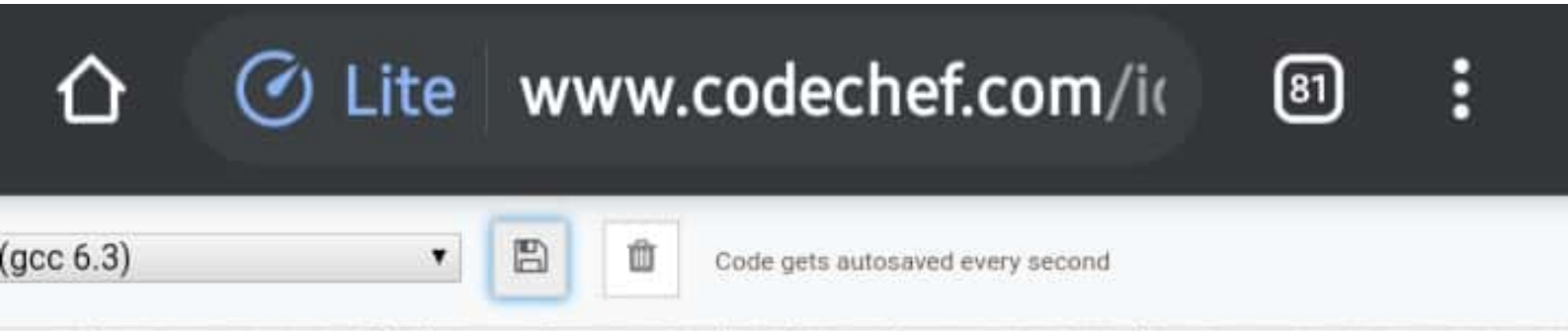


(gcc 6.3)

Code gets autosaved every second

```c
/* C Program to find Sum of rows and columns in a Matrix  */
#include<stdio.h>
int main()
{
    int i, j,m,n, a[10][10],rsum,csum;
    printf("Enter Number of rows and columns  :  ");
    scanf("%d %d", &m, &n);
    printf("%d\t%d",m,n);
    printf("\nEnter the Matrix Elements:\n");
    for(i= 0;i< m;i++)
    {
        for(j=0;j<n;j++)
        {
            scanf("%d\t", &a[i][j]);
            printf("%d\t",a[i][j]);
        }
        printf("\n");
    }
    for(i=0;i<m;i++)
    {
        rsum= 0;
        for(j=0;j<n;j++)
        {
            rsum = rsum + a[i][j];
        }
        printf("The Sum of Elements of %d Rows in a Matrix =  %d\n",i, rsum );
    }
    for(j=0;j<m;j++)
    {
        csum = 0;
        for(i=0;i<n;i++)
        {
            csum = csum + a[i][j];
        }
        printf("The Sum of Elements of %d columns in a Matrix =  %d \n",j, rsum );
    }
}
```

Open File

Custom Input

```
2 2
5 6 7 8
```

Status Successfully executed **Date** 2020-06-12 12:04:41 **Time** 0 sec

Input

```
2 2
5 6 7 8
```

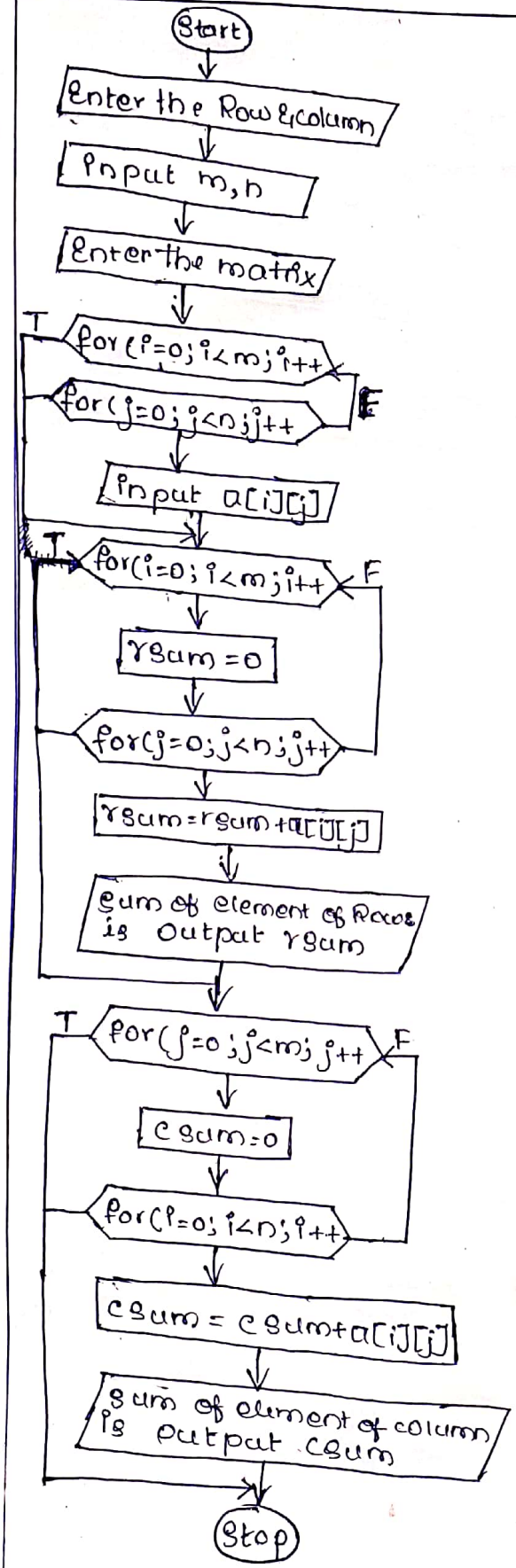
Output

```
Enter the Matrix Elements:
5   6
7   8
The Sum of Elements of 0 Rows in a Matrix =  11
The Sum of Elements of 1 Rows in a Matrix =  15
The Sum of Elements of 0 columns in a Matrix =  15
The Sum of Elements of 1 columns in a Matrix =  15
```

SHARANYA
HALIISOH6

Write a C program to implement sum of each Row and column in a matrix.

FLOWCHART:



ALGORITHM:

Step1 : Start

Step2 : Input m,n

Step3 : Display Enter the matrix
for(i=0; i<m; i++)
for(j=0; j<n; j++)
Input a[i][j]

Step4: for(i=0; i<m; i++)
rsum=0.
for(j=0; j<n; j++)
rsum=rsum+a[i][j]
Display sum of each row is
Output rsum

Step5: for(j=0; j<m; j++)
csum=0
for(i=0; i<n; i++)
csum=csum+a[i][j]
Display sume of each column is
Output csum

Step6: Stop.