

Write a C Program to print the sum of boundary elements of a matrix.

```
#include <stdio.h>

#include <stdlib.h>

int main()

{
    int a[100][100],m,n,i,j;

printf("Enter The Size Of The Matrix:\n");

scanf("%d%d",&m,&n);

printf("Enter The Elements Into Matrix:\n");

    for(i=0;i<m;i++)

    {

        for(j=0;j<n;j++)

        {

scanf("%d",&a[i][j]);

        }

    }

    int f,g;

printf("The Input Matrix Is:\n");

    for(f=0;f<m;f++)

    {

        for(g=0;g<n;g++)

        {

printf("%d\t",a[f][g]);

        }

printf("\n");

    }

printf("The Boundary Elements Are:\n");

    int b,c,s=0;

    for(b=0;b<m;b++)

    {

        for(c=0;c<n;c++)
```

```

        {
if(b==0 || b==m-1)

        {

            s=s+a[b][c];
printf("%d\t",a[b][c]);

        }

        else if(c==0 || c==n-1)

        {

            s=s+a[b][c];
printf("%d\t",a[b][c]);

        }


    }

printf("\n\nThe Sum Of The Boundary Elements Of The Matrix Is:\n%d",s);

}

```

Output:

 "D:\Code Blocks c&c++\2020\09\06\bin\Debug\09\06\2020.exe"

```

Enter The Size Of The Matrix:
3 3
Enter The Elements Into Matrix:
1 2 3
4 5 6
7 8 9
The Input Matrix Is:
1      2      3
4      5      6
7      8      9
The Boundary Elements Are:
1      2      3      4      6      7      8      9
The Sum Of The Boundary Elements Of The Matrix Is:
40
Process returned 0 (0x0)   execution time : 35.787 s
Press any key to continue.

```