

//WAP to find sum of elements of an Array


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#include<stdio.h>          //include standard input and output
header file using preprocessor directive
int main()    {              //start main function
    int a[10][10],i,j,m,n,sum=0;    //declare a 2D-Array, also i,j for referencing
elements of it.
    puts("Enter no of rows-m and no of columns-n");    //prints statemet for
entering values of no.of rows and columns
    scanf("%d %d",&m,&n);
    puts("Enter elements of array");    //inputs the values for no.of rows and
columns
    for(i=0;i<m;i++) //define for loop to start executing from index-0 to its max
index
    {
        for(j=0;j<n;j++)    //define for loop to start executing from index-0 to it's
max index
        scanf("%d",&a[i][j]);    //assigns values to 2D-Array
    }
    for(i=0;i<m;i++) //define for loop to start executing from index-0 to it's max
index
    {
        for(j=0;j<n;j++)    //define for loop to start executing
from index-0 to it's max index
        {
            printf("%d ",a[i][j]);    }    //prints the values of 2D-Array
            printf("\n");    //goes to next line after completion of
printing each 1D-Array
        }
        for(i=0;i<m;i++)    //define for loop to start executing
from index-0 to it's max index
        {
            for(j=0;j<n;j++) {
                if(i-j==0||i-j==1)
                    sum=sum+a[i][j]; }
        } printf("Sum of elements = %d ",sum); }
```