//28 sum of diagnol elements of a matrix

#include<stdio.h>

#include<conio.h>

void main()

{

int a[10][10];

int i,j,r,c,s=0;

printf("square array\n");

printf("enter row and column of array\n");

scanf("%d %d",&r,&c);

printf("enter elements of array\n");

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

{

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

{

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

}

}

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

{

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

{

if(i==j)

s=s+a[i][j];

}

}

printf("sum of diagnol elements of array %d",s);

getch();

}