Pgm

#include<stdio.h>

void main(){

int s[10][10],trip[10][3],r,c,i,j,count,x=1,y=1;

printf("Enter the row of the sparse matrix:");

scanf("%d",&r);

printf("Enter the column of the sparse matrix:");

scanf("%d",&c);

printf("Enter the elements of the sparse matrix\n");

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

printf("Enter the element of row %d:",i+1);

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

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

}

}

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

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

if(s[i][j]){

count++;

trip[x][2]=s[i][j];

trip[x][0]=i;

trip[x][1]=j;

x++;

}

}

}

trip[0][0]=r;

trip[0][1]=c;

trip[0][2]=x-1;

for(i=0;i<x;i++){

for(j=0;j<3;j++){

printf("%d ",trip[i][j]);

}

printf("\n");

}

}