**PROGRAM TO READ A 2-d ARRAY USING POINTERS, CALCULATE ITS ROWSUM AND COLUMN SUM AND DISPLAY THIS ARRAY ALONG WITH ROWSUM AND COLUMN SUM**

#include<iostream.h>

void main()

{int \*v,\*r,\*c;

int maxR,maxC,i,j;

cout<<"enter dimensions (row col):";

cin>>maxR>>maxC;

v=new int[maxR \* maxC];

r=new int[maxR];

c=new int[maxC];

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

{cout<<"\n Enter elements of row "<<(i+1)<<":";

r[i]=0;

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

{cin>>v[i\*maxC+j];

r[i]+=v[i\*maxC+j];}}

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

{c[j]=0;

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

{c[j]+=v[i\*maxC+j];}}

cout<<"\n\n The given array along with rowsum and colsum is:\n\n";

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

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

{cout<<v[i\*maxC+j]<<'\t';}

cout<<r[i]<<endl;}

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

{cout<<c[j]<<'\t';}

cout<<endl;}

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

