Practical 13:

/\*Program to display 2nd maximum and 2nd minimum element of a matrix\*/

#include<iostream.h>

void main()

{

int A[5][5],B[50],i=0,j=0,k=0,m,n,num,temp;

cout<<"Enter number of rows : ";

cin>>m;

cout<<"\nEnter number of columns : ";

cin>>n;

cout<<"\nEnter array elements :\n";

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

{

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

{

cin>>A[i][j];

}

}

num=m\*n;

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

{

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

{

B[k++]=A[i][j];

}

}

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

{

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

{

if(B[j]>B[j+1])

{

temp=B[j];

B[j]=B[j+1];

B[j+1]=temp;

}

}

}

cout<<"The second maximum element in array is : "<<B[num-2];

cout<<"\nThe second minimun element in arrat is : "<<B[1];

}

Output:

