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B.TECH(CSE)

**Program statement**

**1. Write a program to read a matrix of size m\*n from the keyboard and display the same using function**

**CODE :-**

#include <iostream>

using namespace std;

void read\_matrix(int array[35][35],int p,int q) //read\_matrix function is declared here//

{

int i,j;

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

{

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

{

cout<<"array["<<i<<"]["<<j<<"]: ";

cin>>array[i][j];

}

}

}

void display\_matrix(int array[35][35],int p,int q) // display\_matrix function is declared here //

{

int i,j;

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

{

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

{

cout<<" "<<array[i][j];

}

cout<<endl;

}

}

int main()

{

int p[35][35];

int r,c;

cout<<"Enter the no.of rows :";

cin>>r;

cout<<endl;

cout<<"Enter the no .of columns :";

cin>>c;

read\_matrix(p,r,c);

cout<<"The Matrix is :";

cout<<endl;

display\_matrix(p,r,c);

return 0;

}

