

Object Oriented Programming with C++

External Practical Exam

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
DEVANG PATEL INSTITUTE OF ADVANCE TECHNOLOGY &
RESEARCH

RUSHIK RATHOD

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2)**PROGRAM CODE:**

// Practical 2

#include <iostream>

using namespace std;

class Matrix

{

int i,j,a[3][3],x,y;

public :

getdata(int x, int y) // member function to get the elements of a matrix

{

cout << endl << "Enter the elements : " << endl;

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

{

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

{

cin >> a[i][j];

}

}

}

display(int x,int y) // member function to display the elements of a matrix

{

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

{

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

```
        {
            cout << a[i][j] << "\t";
        }
        cout << endl;
    }
}

};

int main()
{
    int i,j;
    cout << "Enter the number of rows : ";
    cin >> i;
    cout << "Enter the number of columns : ";
    cin >> j;

    Matrix m1;
    m1.getdata(i,j);
    cout << "\nThe matrix is..." << endl;
    m1.display(i,j);
    return 0;
}
```

OUTPUT:

```
Enter the number of rows : 3
Enter the number of columns : 3

Enter the elements :
1
2
3
4
5
6
7
8
9

The matrix is...
1      2      3
4      5      6
7      8      9

Process returned 0 (0x0)   execution time : 6.629 s
Press any key to continue.
```

Thank you...