B. Tech Computer Engineering

Vth Semester

Lab 1

Sub: OOPS Lab

Name: Syed Mohammad Raza

Roll No.: 18BCS056

Q1.) To multiply two matrices dynamically.

```
#include <bits/stdc++.h>
using namespace std;
int main()
    int r, c, i, j, k;
    cout << "Enter Length Of Matrix 1"</pre>
         << "\n";
    cin >> r >> c;
    vector<vector<int>> matrix1(r, vector<int>(c));
    cout << "\n"
         << "Enter Elements Of Matrix 1:"</pre>
         << "\n";
    for (i = 0; i < r; ++i)
        for (j = 0; j < c; ++j)
            cout << "Enter Elements "</pre>
                 << " : ";
            cin >> matrix1[i][j];
    cout << "Enter Size Of Matrix 2"</pre>
         << "\n";
    cin >> r >> c;
    vector<vector<int>>> matrix2(r, vector<int>(c));
    cout << "\n"</pre>
         << "Enter Elements Of Matrix 2:"</pre>
         << "\n";
    for (i = 0; i < r; ++i)
        for (j = 0; j < c; ++j)
            cout << "Enter Elements "</pre>
                  << " : ";
            cin >> matrix2[i][j];
```

Output:



