## LAB ASSIGNMENT-1

1) Write a program to read a 20 matrix and find the sum of each nows & stumms. (A) #indude < iosteam > using namespace std; int main () { int n, m; cout << "Entre the no of nous & columns "<< endl; am>>n>>m; int arr[n][m]; cont < " Entre elements into matrix" < endl; for (int i=0; icn; i++) } for (int j=0; j<m; j++) un >> ar[i][j]; cout << " The sum of each row is: "\$ for (int i=0; icn; i+t) { int sum = 0; for (int j=0; j<m; j++) sum + = arr[i][i]; cont << sum << "; cout << endl; cout < "The sum of each column is: " 3

for (int i=0; icm; i++) { int sum = 0; for (int j=0; j < n; j++)

Sum + = and [[][]; contec sum ce"

conticendl;

rutury of

```
2) #include <iotream>
using samespace std;
int now_oum(int arr [], int n) {
   int oum = 0;
   for (int i=0; i<n; i++)
      sum + = am [i];
   return sum;
int main () {
  int n, m;
   cout << "Inter no of nows & columns "< c endl;
   and >>n >>m;
   int arr[n][m];
   cout << " Entry the matrix "<< endl;
   for (int i=0; icn; i++)
      for (ind j=0; j(m; j++)
        um >> ark [i][j];
   cont << "The sum of each now is:";
   for (int i=0; icn; i+1)
      cout << now_ sum(an (i], m) << " ";
   contecend;
   contice" The sum of each column is";
   for (int i=0; icm; i++) }
        int temp[n];
        for (int j=0; j<n; j++)
           temp[;] = an [;][i];
        cout a now_sum (temp, n) <<" ";
   contex endl;
   ruturn 0;
```

```
(3) #include < iordnam>
 using namespace std;
ind main () §
   int n, m;
    cout ce" Entre the no of nows & columns" ceendl;
    m >> n >> m;
    int our [n][m];
    cout << " Entre elements in matrin" << undl;
     fra (int i=0; i<n; i++)
        fa (int j=0; j<m; j+t)
           um >> ars[i][j];
     int col;
     cout ex" Enter the column number" < c indl;
     an >> col;
      int count = 0;
      gra (int i=0; icn; itt) {
         'y (arr[i][col] = = 0)
                count ft;
    cout << "The no of zeroes in column" << col << "is"
        << count << indl;
    riturn 0;
```