NO1

2. Find the Sum of All Elements

Given a matrix, compute the total sum of all numbers.

```cpp
#include <iostream>
using namespace std;

// The global matrix
int matrix[3][3] = {
    {1, 2, 3},
    {4, 5, 6},
    {7, 8, 9}
};


void num1(int Arr[][3], int row, int column) {
    int sum = 0;
    for (int i = 0; i < row; i++) {
        for (int j = 0; j < column; j++) {
            sum += Arr[i][j];
        }
    }

    cout << "TOTAL SUM: " << sum << endl;
}

int main() {
    int row = 3;
    int column = 3;


    num1(matrix, row, column);

    return 0;
}
```

NO2

5. Count Even and Odd Numbers

Count how many even and odd numbers are in the matrix.

```cpp
#include <iostream>
using namespace std;
// The global matrix
int matrix[3][3] = {
    {1, 2, 3},
    {4, 5, 6},
    {7, 8, 9}
};

void num2(int Arr[][3], int row, int column) {
    int sum = 0;
    int sum2 = 0;
    for (int i = 0; i < row; i++) {
        for (int j = 0; j < column; j++) {
          if(Arr[i][j] %2 == 0){
            sum2 += 1;
          } else sum+=1;
        }
    }

    cout << "TOTAL SUM ODD: " << sum << endl;
    cout << "TOTAL SUM EVEN: " << sum2 << endl;
}

int main(){
    int row = 3;
    int column =3;

     num2(matrix, row, column);

    return 0;
}
```

NO3

18. Search for a Specific Number

Ask the user for a value and find its position in the matrix.

```
#include <iostream>
using namespace std;
int Arr[2000][2000];
int n,b;

void inputNum(){
    cout << "enter for array row: ";
    cin >> n;

    cout << "enter for array column: ";
    cin>> b;

    for(int i=0; i<n; i++){
        for(int k=0; k<b; k++){
           cout << "enter elements for index: " << "[" << i << "] " << "["
<< k << "] " ;
           cin >> Arr[i][k];
        }
    }

}
void searchingNum(int Arr[][2000], int row, int column, int search){
    cout << "enter for array row: ";

    bool gian = false;
    for(int i = 0; i < row; i++){
        for(int k = 0; k < column; k++ ){
            if(search == Arr[i][k]){
                 cout << "found at index: "<< i << k;
                 gian = true;
        }
    } if(!gian){
        cout << "Not in the array";
    }
}
```

```
}

int main(){
    inputNum();
    int search;
            cout << "Enter number what to search";
            cin >> search;
    searchingNum(Arr, n, b, search);
    return 0;
}
```