https://github.com/RPChinhara/LinearSearchIn2DArray.git

LINEAR SEARCH IN 2-D ARRAY

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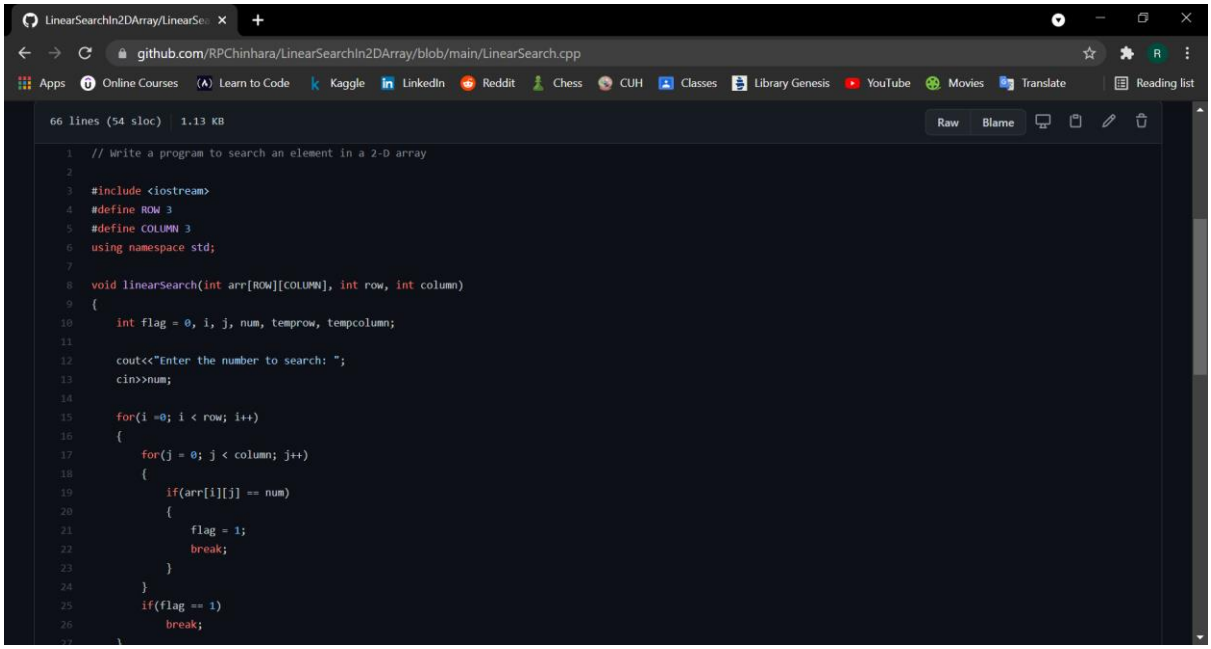
Code:


LinearSearchIn2DArray/LinearSe
github.com/RPChinhara/LinearSearchIn2DArray/blob/main/LinearSearch.cpp
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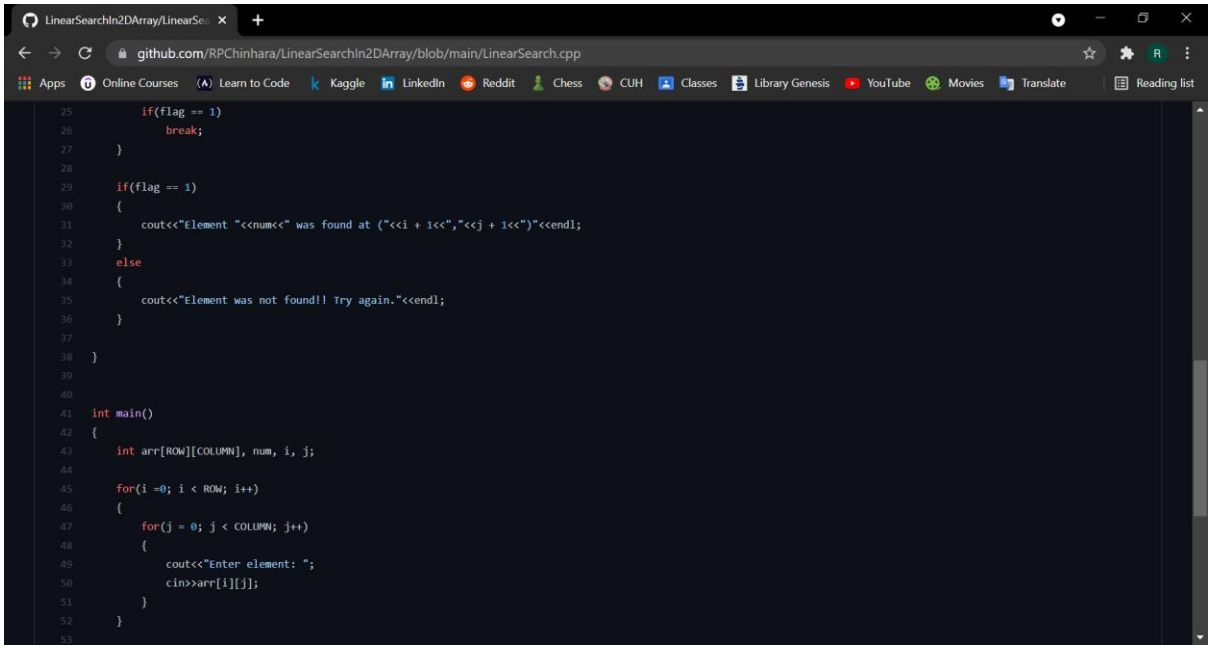
66 lines (54 sloc)
1.13 KB
Raw
Blame
// Write a program to search an element in a 2-D array
#include <iostream>
#define ROW 3
#define COLUMN 3
using namespace std;
void linearSearch(int arr[ROW][COLUMN], int row, int column)
{
int flag = 0, i, j, num, temprow, tempcolumn;
cout<<"Enter the number to search: ";
cin>>num;
for(i =0; i < row; i++)
{
for(j = 0; j < column; j++)
{
if(arr[i][j] == num)
{
flag = 1;
break;
}
}
if(flag == 1)
break;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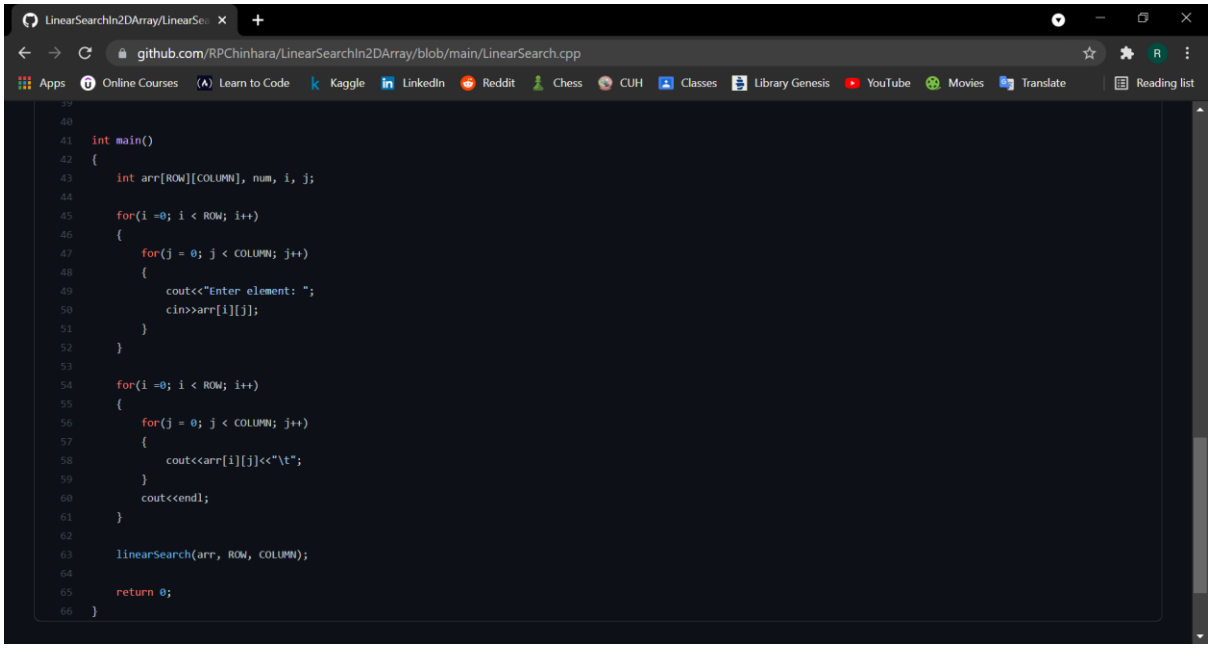
if(flag == 1)
break;
}
if(flag == 1)
{
cout<<"Element "<<num<<" was found at ("<<i + 1<<","<<j + 1<<")"<<endl;
}
else
{
cout<<"Element was not found!! Try again."<<endl;
}
}
int main()
{
int arr[ROW][COLUMN], num, i, j;
for(i =0; i < ROW; i++)
{
for(j = 0; j < COLUMN; j++)
{
cout<<"Enter element: ";
cin>>arr[i][j];
}
}



Output:

When the element is found in the array