

# LAB TASK #13

## QUESTIONB# 2

### CODE:

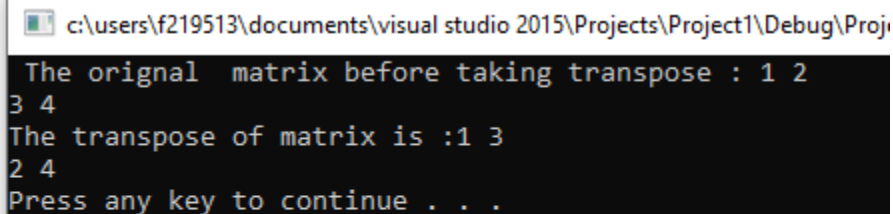
```
#include<iostream>
using namespace std;
int main()
{
    cout << " The original matrix before taking transpose : ";
    int array1[2][2] = { {1,2},{3,4} };
    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            cout << array1[i][j];
            cout << " ";
        }

        cout << endl;
    }

    int array[2][2] = { {1,2},{3,4} };
    cout << "The transpose of matrix is :";
    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            cout << array[j][i];
            cout << " ";
        }
        cout << endl;
    }

    system("pause");
}
```

### OUTPUT



```
c:\users\f219513\documents\visual studio 2015\Projects\Project1\Debug\Proji
The original matrix before taking transpose : 1 2
3 4
The transpose of matrix is :1 3
2 4
Press any key to continue . . .
```

### QUESTION #3

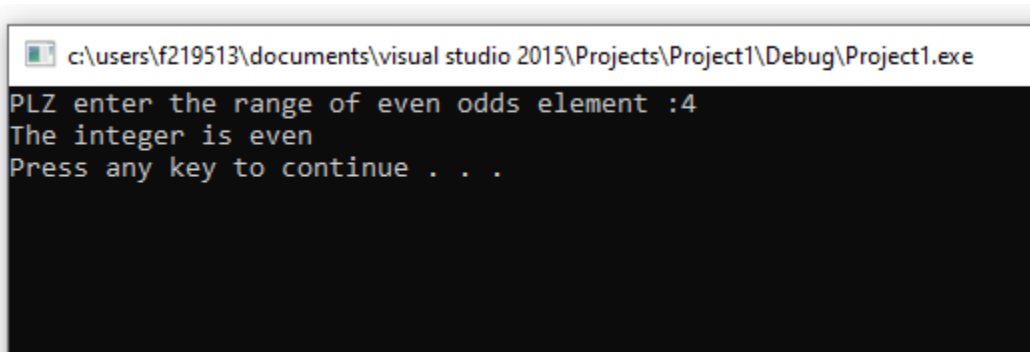
```
#include<iostream>
using namespace std;
int main()
{
    int n1 = 2;

    int range = 10;

    int n2 = 5;

    cout << "PLZ enter the range of even odds element :";
    cin >> range;
    if (n1 % 2 == 0)
        cout << "The integer is even " << endl;
    else
        if (n2 % 2 == 1)
            cout << endl;

    system("pause");
}
```



```
c:\users\f219513\documents\visual studio 2015\Projects\Project1\Debug\Project1.exe
PLZ enter the range of even odds element :4
The integer is even
Press any key to continue . . .
```

### Question #4

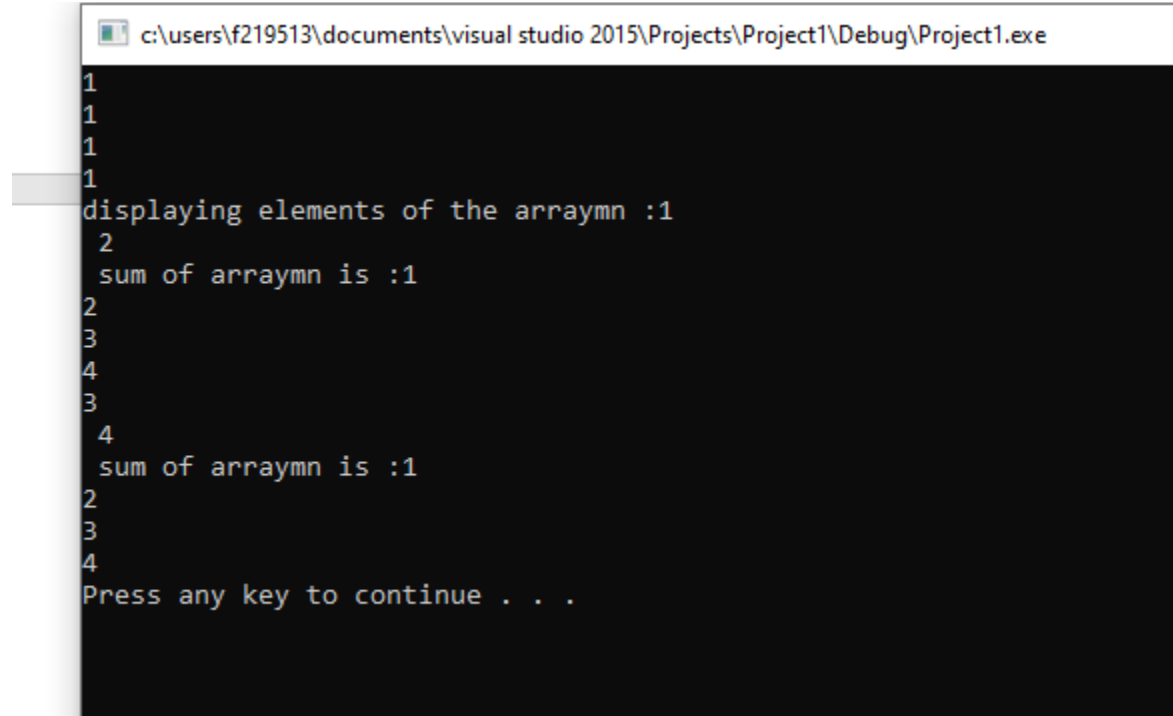
```
#include<iostream>
using namespace std;
int main()
{
    int arraymn[2][2] = { {1,2},{3,4} };
    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            cout << arraymn[i][j];
            cout << endl;
        }
    }
}
```

```

    }
}
cout << "displaying elements of the arraymn :";
for (int i = 0; i < 2; i++)
{
    for (int j = 0; j < 2; j++)
    {
        cout << arraymn[i][j] << endl;
        cout << " ";
    }
    cout << "sum of arraymn is :";
    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            cout << arraymn[i][j];
            cout << endl;
        }
    }
}
system("pause");
}

```

Output



```

c:\users\f219513\documents\visual studio 2015\Projects\Project1\Debug\Project1.exe
1
1
1
1
displaying elements of the arraymn :1
2
sum of arraymn is :3
2
3
4
3
4
sum of arraymn is :7
2
3
4
Press any key to continue . . .

```

