Programming lab assignment # 07

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Section	C

Task : 01

```cpp
#include<iostream>

using namespace std;

int main()

{

        int array[10];

        cout<<"enter the 10  numbers which is to be displayed:";

for(int i=0; i<10; i++)

{

        cin>>array[i];

}

cout<<"you entered the following numbers\n";

for(int i=0;i<10;++i )

{

        cout<<array[i]<<endl;

}

return 0;

}
```
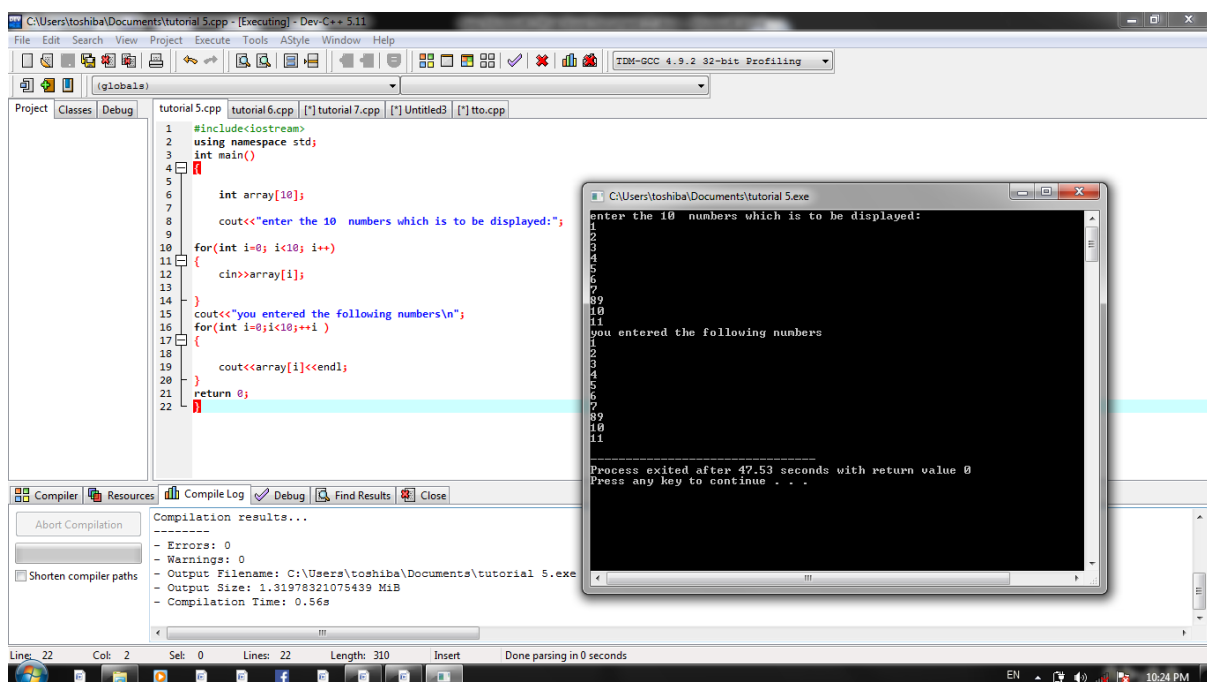
Task:02

```cpp
#include<iostream>

using namespace std;

int main()

{

        int array[5];

        int sum=0;

        cout<<"enter the 5 integers which is to be sum:";

        for(int i=0; i<5; i++)

        {

                cin>>array[i];

          sum+=array[i];

        }
cout<<"the sum of five number is equal to="<<sum;

return  0;

}
```
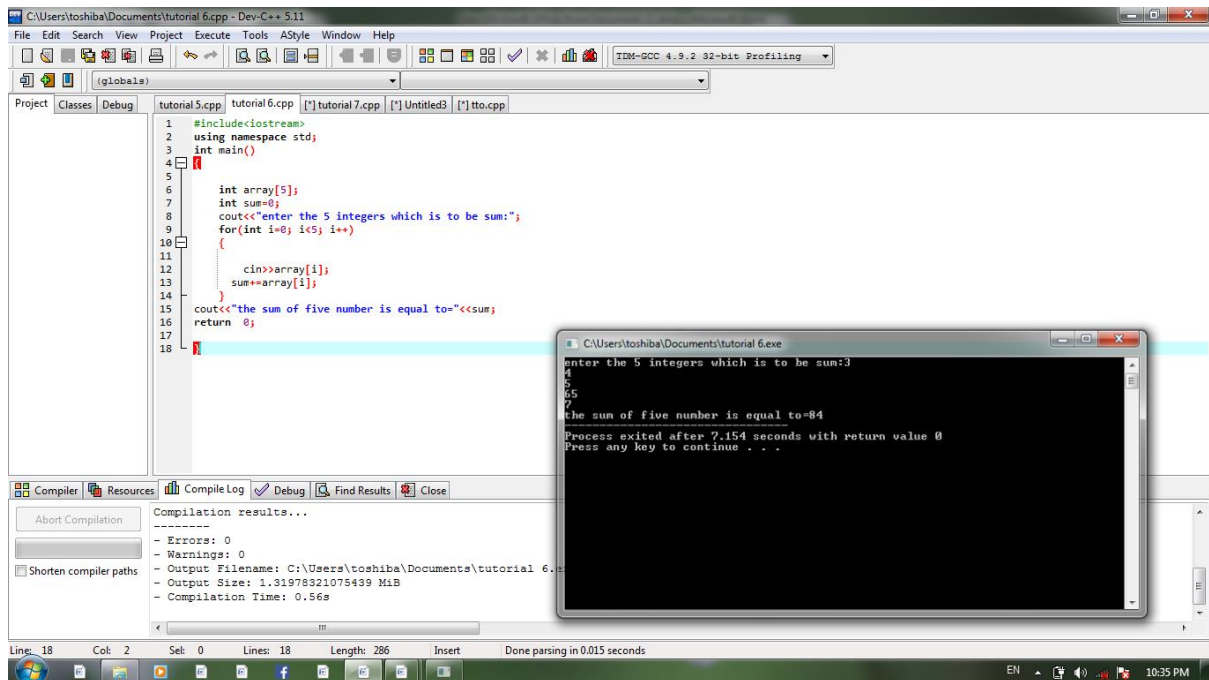
Task:03

```cpp
#include <iostream>

using namespace std;


int main() {

    int n;


    cout << "Enter the number of rows (odd): ";

    cin >> n;


    if (n % 2 == 0) {

        cout << "Please enter an odd number." << endl;

        return 0;

    }


    int mid = n / 2;

    int count = 1;



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

        for (int j = 0; j < abs(mid - i); j++) {

            cout << " ";

        }


        for (int k = 0; k < count; k++) {

            cout << "*";

        }


        cout << endl;
```

```
        if (i < mid) {

            count += 2;

        } else {

            count -= 2;

        }

    }


    return 0;

}
```