Example 1:

Input: 5

Output:

```
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
```

Your Task:

You don't need to input anything. Complete the function **printSquare()** which takes an integer n as the input parameter and print the pattern.

Code section:-

```
//{ Driver Code Starts
#include <bits/stdc++.h>

using namespace std;

// } Driver Code Ends
class Solution {
  public:
    void printSquare(int n) {
        // code here

           for(int i=0;i<n;i++){
            for(int j=0;j<n;j++){
                cout<<"*"<<" ";
            }
            cout<<endl;
        }


    }
};
```

```
//{ Driver Code Starts.

int main() {
    int t;
    cin >> t;
    while (t--) {
        int n;
        cin >> n;

        Solution ob;
        ob.printSquare(n);
    }
    return 0;
}
// } Driver Code Ends
```

2nd question:-

Example 1:

Input: 5

Output:

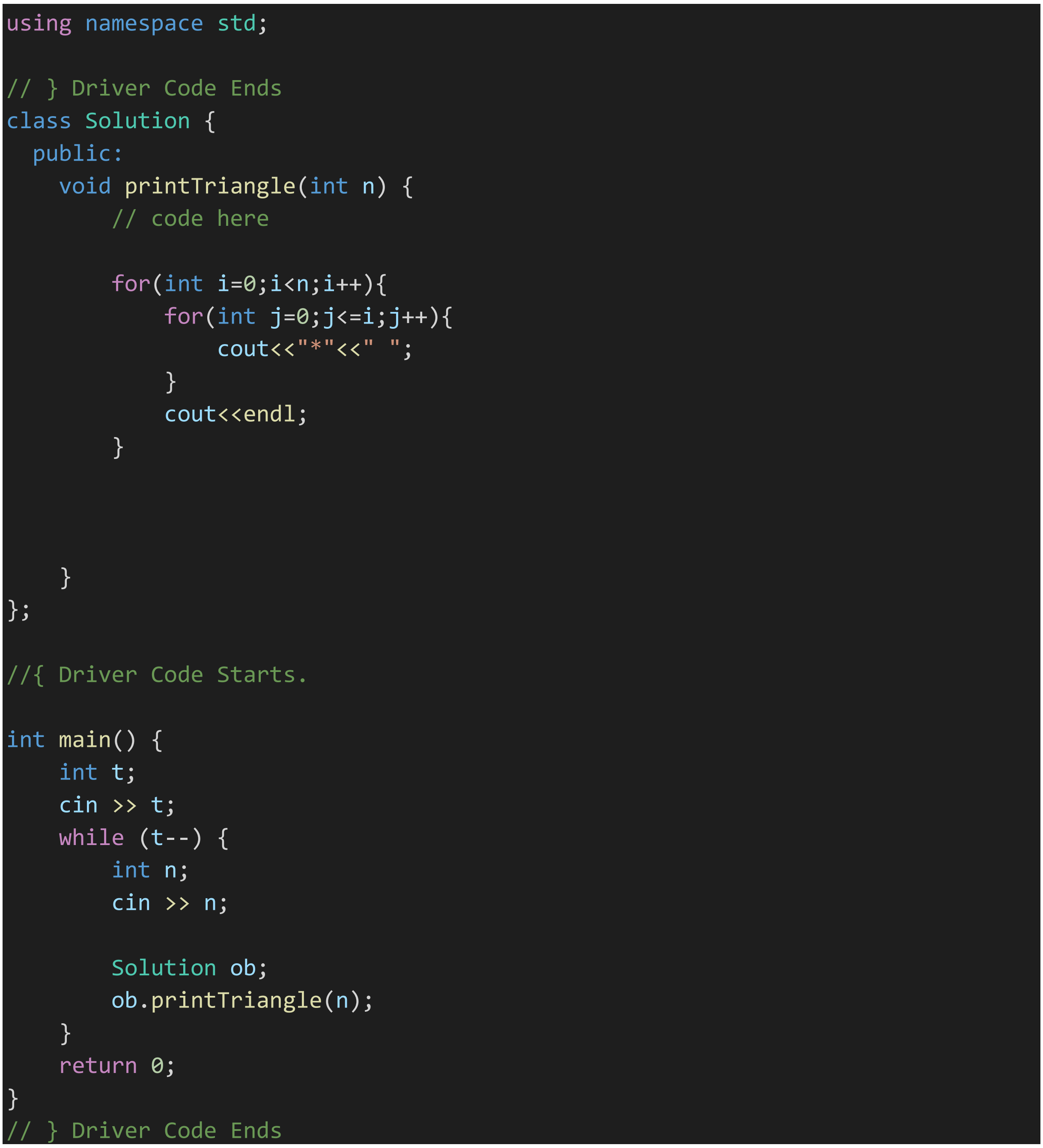
```
*
* *
* * *
* * * *
* * * * *
```

Your Task:

You don't need to input anything. Complete the function **printTriangle()** which takes an integer **n** as the input parameter and print the pattern.

Code section:-

```
//{ Driver Code Starts
#include <bits/stdc++.h>
```



```
using namespace std;

// } Driver Code Ends
class Solution {
  public:
    void printTriangle(int n) {
        // code here

        for(int i=0;i<n;i++){
            for(int j=0;j<=i;j++){
                cout<<"*"<<" ";
            }
            cout<<endl;
        }



    }
};

//{ Driver Code Starts.

int main() {
    int t;
    cin >> t;
    while (t--) {
        int n;
        cin >> n;

        Solution ob;
        ob.printTriangle(n);
    }
    return 0;
}
// } Driver Code Ends
```

# 3rd question :-

Example 1:

Input: 5

Output:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

Your Task:

You don't need to input anything. Complete the function **printTriangle()** which takes an integer **n** as the input parameter and print the pattern.

```
//{ Driver Code Starts
#include <bits/stdc++.h>

using namespace std;

// } Driver Code Ends
class Solution {
  public:
    void printTriangle(int n) {
        // code here
        int s=1;
        for(int i=0;i<n;i++){
            for(int j=0;j<=i;j++){
                cout<<s<<" ";
                s++;

            }
            s=1;
            cout<<endl;
        }

    }
};
```

```
//{ Driver Code Starts.

int main() {
    int t;
    cin >> t;
    while (t--) {
        int n;
        cin >> n;

        Solution ob;
        ob.printTriangle(n);
    }
    return 0;
}
// } Driver Code Ends
```

4th question:-

Example 1:

Input: 5

Output:

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

Your Task:

You don't need to input anything. Complete the function **printTriangle()** which takes an integer **n** as the input parameter and print the pattern.

Code section:-

```cpp

//{ Driver Code Starts
#include <bits/stdc++.h>

using namespace std;

// } Driver Code Ends
class Solution {
  public:
    void printTriangle(int n) {
        // code here
        
        for(int i=0;i<n;i++){
            
            for(int j=0;j<=i;j++){
                cout<<i+1<<" ";
            }
            cout<<endl;
        }
        
        
    }
};

//{ Driver Code Starts.

int main() {
    int t;
    cin >> t;
    while (t--) {
        int n;
        cin >> n;

        Solution ob;
        ob.printTriangle(n);
    }
    return 0;
}
// } Driver Code Ends
```

Example 1:

Input: 5

Output:

```
* * * * *
* * * *
* * *
* *
*
```

Your Task:

You don't need to input anything. Complete the function **printTriangle()** which takes an integer **n** as the input parameter and print the pattern.

Code section :-

```
//{ Driver Code Starts
#include <bits/stdc++.h>

using namespace std;

// } Driver Code Ends
class Solution{
public:

    void printTriangle(int n) {
        // code here

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

            for(int j=n;j>i;j--){
                cout<<"*"<<" ";
            }
            cout<<endl;
        }

    }
};
```

```
//{ Driver Code Starts.

int main() {
    int t;
    cin >> t;
    while (t--) {
        int n;
        cin >> n;

        Solution ob;
        ob.printTriangle(n);
    }
    return 0;
}
// } Driver Code Ends
```