Lesson 11 CPP Practice 1

In this lesson, we want to create a program in which the user enters a number, then the program prints lines with the number of this number, and in each line it prints stars that are the number of the order of the line.

Example :

if the user enter **4**

output :

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

In this program we are going to use **two loops for**, one for the **number of lines**, one for the **number of stars**.

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

int main() {
int n;
cout << "Enter number: ";
cin >> n;
```

```
for (int i = 1; i <= n; i++) {

for (int j = 1; j <= i; j++)

cout << "*";

cout << endl;

}

}
```

input:

5

output:

```
*

**

***

****

*****
```


We also can use String and while loop :

```cpp
#include <iostream>

#include <string>

using namespace std;


int main() {

while (1) {

int x;
```

```cpp
string s;
cout << "Enter number: ";
cin >> x;
for (int i = 1; i <= x; i++) {
s += "*";
cout << s << "\n";
}
}
}
```