Day-27 of 101 days coding challenge

⇨ **Solved Different Pattern Problems**

1- **Triangle:**

Code:

```cpp
#include<iostream>

using namespace std;

int main()
{
    int size, i, j; // both row and column is same
    cout<<"Enter the size of the row and column:"<<endl;
    cin>>size;
    int num = 1;
    cout<<"Created Pattern"<<endl;

    for(i = 1; i<=size; i++)
    {
        for(j = 1; j<=i; j++){

            cout<<num<<" ";
            num++;
```

```
        }
        cout<<endl;
    }
}
```

Output:

```
Enter the size of the row and column:
4
Created Pattern
1
2 3
4 5 6
7 8 9 10

-------------------------------
Process exited after 2.452 seconds with return value 0
Press any key to continue . . .
```

2->

Code:

```cpp
#include<iostream>

using namespace std;

int main()
{
    int size, i, j; // both row and column is same
    cout<<"Enter the size of the row and column:"<<endl;
```

```cpp
cin>>size;

int num;

cout<<"Created Pattern"<<endl;

for(i = 1; i<=size; i++)
{
    num = i;
    for(j = 1; j<=i; j++){

        cout<<num<<" ";

        num++;
    }
    cout<<endl;
}
}
```

Output:

```
Enter the size of the row and column:
4
Created Pattern
1
2 3
3 4 5
4 5 6 7

------------------------------
Process exited after 1.653 seconds with return value 0
Press any key to continue . . .
```

3->

```cpp
#include<iostream>

using namespace std;

int main()
{
        int size, i, j; // both row and column is same
        cout<<"Enter the size of the row and column:"<<endl;
        cin>>size;


        int num;


        cout<<"Created Pattern"<<endl;


        for(i = 1; i<=size; i++)
        {
                num = i;
                for(j = 1; j<=i; j++){

                        cout<<num<<" ";

                        num--;

                }
```

```
                cout<<endl;

        }

}
```

Output:

```
Enter the size of the row and column:
4
Created Pattern
1
2 1
3 2 1
4 3 2 1

--------------------------------
Process exited after 1.831 seconds with return value 0
Press any key to continue . . .
```