



# Prac Assignment 3

Date	@January 20, 2022
Property	

## Looping Statements and Making Patterns Using Patterns

### Pattern 1

```
n = 4
for i in range(1, n + 1):
    for j in range(1, i + 1):
        print(j, end=' ')
    print()
print()
```



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

## Pattern 2

```
n = 4
for i in range(0, n + 1):
    for j in range(n - i, 0, -1):
        print(j, end=' ')
    print()
```



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

## Pattern 3

```
n = 4
for i in range(n, 0, -1):
    num = i
    for j in range(0, i):
        print(num, end=' ')
    print("\r")
```



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

## Pattern 4

```
n = 4
for i in range(0,n+1):
    num = i
    for j in range(0, i):
        print(num, end=' ')
    print("\r")
```



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

## Pattern 5

```
n=4
for i in range(0,n):
    for j in range(0,i+1):
        print("* ",end='')
    print("\r")
```



```
*
```

  

```
* *
```

  

```
* * *
```

  

```
* * * *
```

## Pattern 6

```
n = 4
for i in range(n + 1, 0, -1):
    for b in range(0, i - 1):
        print("*", end=' ')
    print(" ")
```



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