Pattern Continued

```python
list(range(10, 0, -2))
```

```
[10, 8, 6, 4, 2]
```

Break and Continue statements

Skip 3

```python
for i in range(11):
    if i == 3:
        continue
    print(i)
```

```
0
1
2
4
5
6
7
8
9
10
```

When you want to break out of your working loop use break

```python
for i in range(10):
    if i == 5:
        print(1)
        print(1)
        print(1)
        print(1)
        print(1)
        print(1)
        print(1)
        print(1)
        break
    else:
        print(i, end="->")
```

```
0->1->2->3->4->1
1
1
1
1
1
1
1
```

Challenge 1

```python
n = int(input("Take input"))
for row in range(n):
    print("*")
```

Take input 3

```
*
*
*
```

```python
for row in range(1, 6):
    print(row)
```

```
1
2
3
4
5
```

```python
n = int(input())

for row in range(1, n+1):
    for col in range(1, n - row + 2):
        print("*", end= " ")
    print()
```

 2

```
* *
*
```

Writing simply

```python
n = int(input())
for row in range(n):
    for col in range(n - row):
        print("*", end=" ")
    print()
```

 5

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

```python
n = int(input())
for row in range(1, n+1):
    for col in range(1, row + 1):
        print(col, end=" ")
    print()
```

4

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

```python
n = int(input())
for row in range(1, n+1):
    for col in range(1, row + 1):
        if col % 2 == 0:
            print(col, end = " ")
        else:
            print("*", end = " ")
    print()
```

4

```
*
* 2
* 2 *
* 2 * 4
```

```python
print("_", end = " ")
for i in range(4):
    print("*", end= " ")
print("_")
```

```
_ * * * * _
```

```python
n = int(input())

for row in range(n):
    print("*", end="")
    for col in range(n-1):
        print("_", end="")
    print("*")
    #print()
```

5

```
*____*
*____*
*____*
*____*
*____*
```

```python
n = int(input())

for row in range(1, n+1):
    for col in range(n-row):
```

```
        print("_", end="")
    for col in range(row):
        print("*", end="")
    print()
```

3

```
  *
__**
_***
```

```python
for i in range(5):
    print(i * i)
```

```
0
1
4
9
16
```

```python
for i in range(1, 6, 5):
    print(i)
```

```
1
```

```python
for i in range(6, 1, -1):
    print("hello")
```

```
hello
hello
hello
hello
hello
```