

Python Pattern Programs

```
# Pattern 1: Right-angled triangle of stars
```

```
print("Pattern 1:")
```

```
n = 5
```

```
for i in range(1, n+1):
```

```
    print('* ' * i)
```

```
# Output:
```

```
# *
```

```
# * *
```

```
# * * *
```

```
# * * * *
```

```
# * * * * *
```

```
# Pattern 2: Inverted triangle of stars
```

```
print("\nPattern 2: Inverted triangle of stars")
```

```
for i in range(n, 0, -1):
```

```
    print('* ' * i)
```

```
# Output:
```

```
# * * * * *
```

```
# * * * *
```

```
# * * *
```

```
# * *
```

```
# *
```

```
# Pattern 3: Pyramid of numbers
```

```
print("\nPattern 3: Pyramid of numbers")
```

```
for i in range(1, n+1):
```

```
    print(' ' * (n-i) + ' '.join(str(j) for j in range(1, i+1)))
```

```
# Output:
```

```
#      1
```

```
#     1 2
```

```
#    1 2 3
```

```
#   1 2 3 4
```

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