

Module 01

# Loop

Data Science Developer

# While Loop

```
angka = 1;
```

```
while(angka <= 10):  
    print(angka);  
    angka += 1;
```

# For Loop and List

```
listItem = list(range(1,11,2));  
print(listItem);
```

```
for item in range(1,11,2):  
    print(item);
```

# Solve It!

```
PS D:\Purwadhika\Purwadhika\Python Fundamental> python fundamental.py
Nomor urut 1
Nomor urut 2
Nomor urut 3
Nomor urut 4
Nomor urut 5
Nomor urut 6
Nomor urut 7
Nomor urut 8
Nomor urut 9
Nomor urut 10
```

# Solved!

```
y = 'Nomor urut ';  
  
for item in range(1,11) :  
    print(y + str(item));
```

# Solve It!

```
PS D:\Purwadhika\Purwadhika\Python Fundamental> python fundamental.py
```

```
Nomor urut 0
```

```
Nomor urut 2
```

```
Nomor urut 4
```

```
Nomor urut 6
```

```
Nomor urut 8
```

```
Nomor urut 10
```

```
Nomor urut 12
```

```
Nomor urut 14
```

```
Nomor urut 16
```

```
Nomor urut 18
```

```
Nomor urut 20
```

# Solved!

```
y = 'Nomor urut ';  
  
for item in range(0,21,2) :  
    print(y + str(item));
```

# Solve It!

```
PS D:\Purwadhika\Purwadhika\Python Fundamental> python fundamental.py
Nomor urut 1
Nomor urut 3
Nomor urut 5
Nomor urut 7
Nomor urut 9
Nomor urut 11
Nomor urut 13
Nomor urut 15
Nomor urut 17
Nomor urut 19
```



# Solved!

```
y = 'Nomor urut ';
```

```
for item in range(1,21,2) :  
    print(y + str(item));
```

# For Loop Drawing

```
z = '';  
  
for item in range(0,5):  
    z += ' * '  
  
print(z);
```

```
PS D:\Purwadhika\Purwadhika\Python Fundamental> python fundamental.py  
* * * * *
```

# For Loop Drawing

```
z = '';  
  
for item in range(0,5):  
    z += ' * \n'  
  
print(z);
```

```
PS D:\  
*  
*  
*  
*  
*
```

# Solve It!

PS D:\Purwadhika\Purwadhika>

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

# Solved!

```
z = '';

for item in range(5):
    for item1 in range(5):
        z += ' * '
    z += '\n'

print(z);
```

# Solve It!

```
PS D:\Purwadhika\Purwadl
```

```
*
```

```
* *
```

```
* * *
```

```
* * * *
```

```
* * * * *
```

# Solved!

```
z = '';
```

```
for item in range(5):  
    for item1 in range(0, item+1):  
        z += ' * '  
    z += '\n'
```

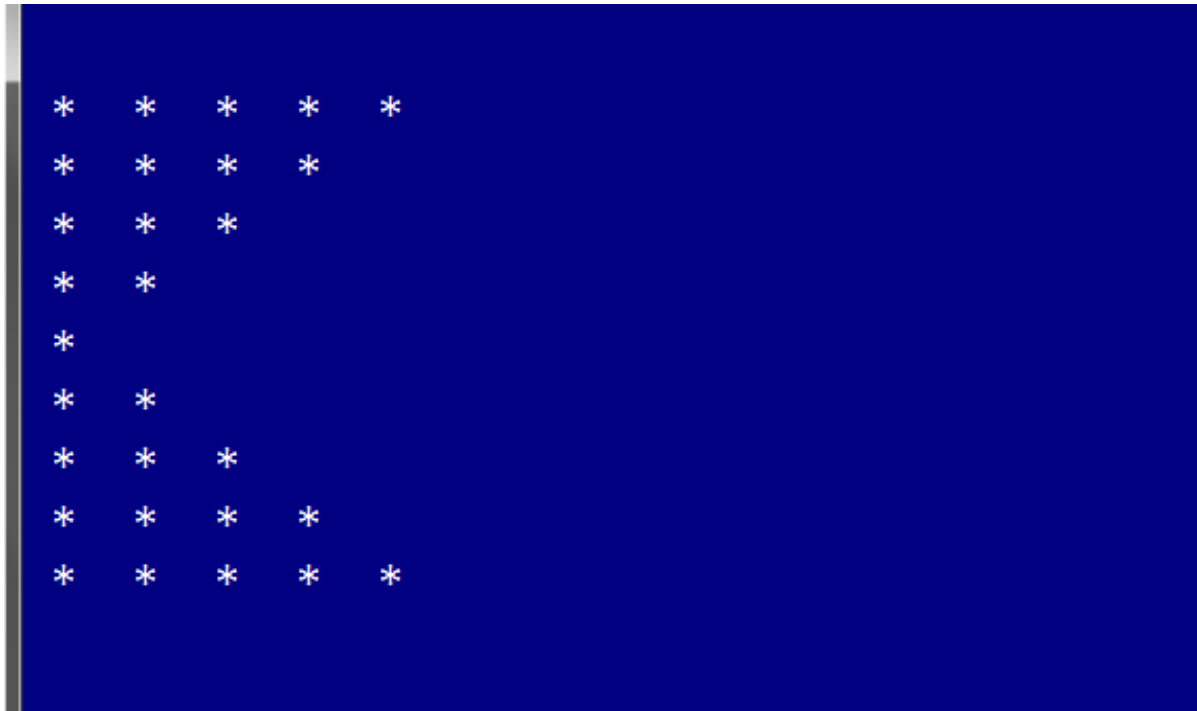
```
print(z);
```

# Solve It! #1

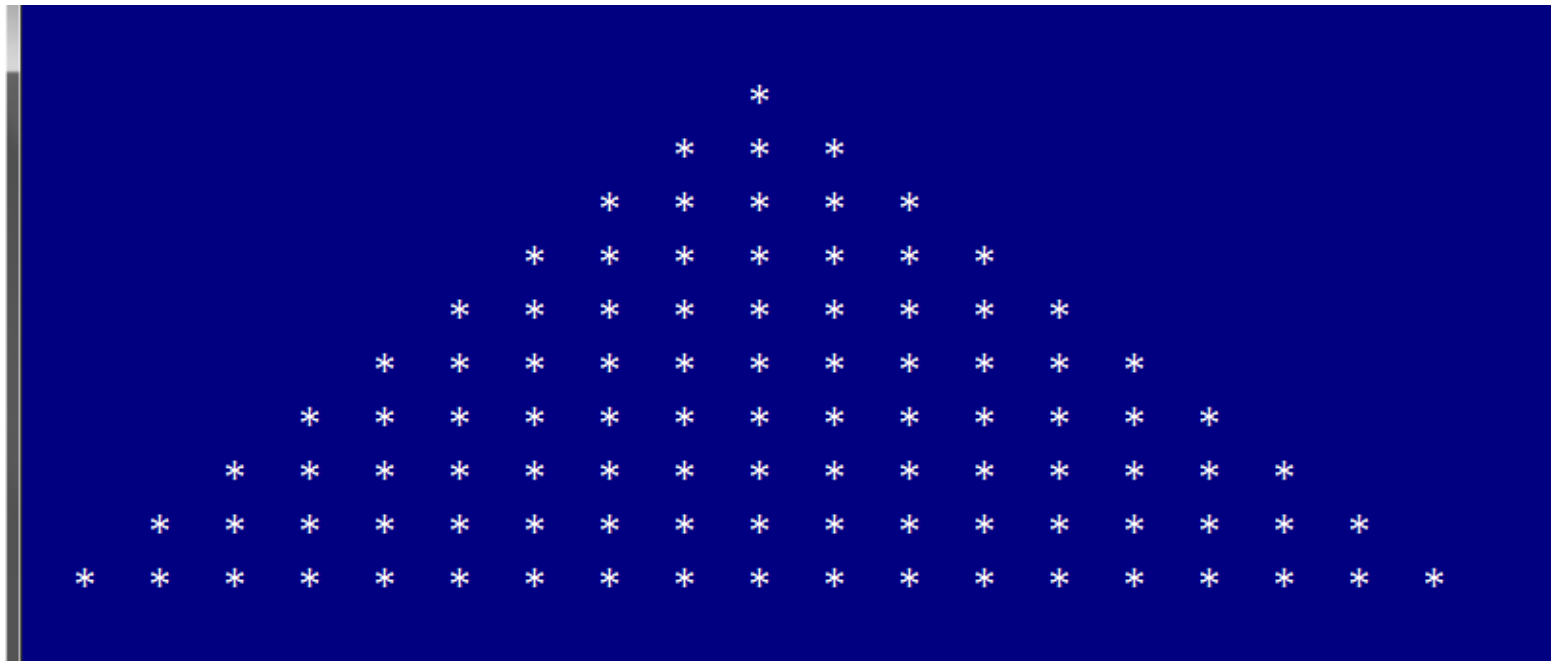
```
* * * * *  
* * * *  
* * *  
* *  
*
```



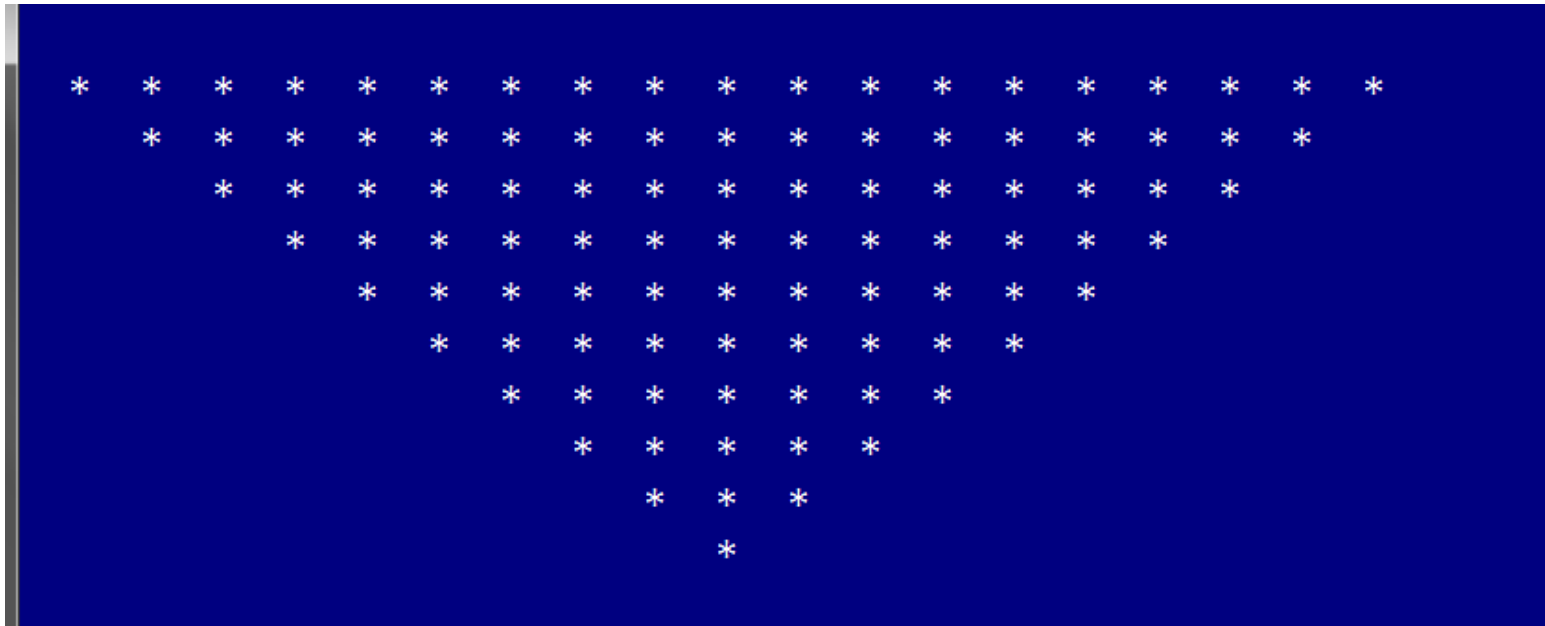
# Solve It! #2



# Solve It! #3



# Solve It! #4



# Solve It! #5

