

```
# Conditional Operator
```

Unsupported Cell Type. Double-Click to inspect/edit the content.

```
a = 2
```

```
b = 4
```

```
if a == b:  
    print("A and B are Equal")
```

```
    A and B are Equal
```

```
if a<= b:  
    print(" A and B are Less than Equal to ")
```

```
    A and B are Less than Equal to
```

## ▼ IF Else and ELIF Cont.

```
if a< b:  
    print(" A is less than  B ")
```

```
    A is less than  B
```

```
# IF else & Elif
```

```
marks = 45
```

```
if marks >= 90 :  
    print("Grade -> A")  
elif marks >= 60 and marks <90:  
    print("Grade -> B")  
elif marks >= 40 and marks < 60:  
    print("Grade -> c")  
else:  
    print( "Failed ")
```

```
    Grade -> c
```

## ▼ Looping or Loops

```
# For repeating some task multiple times
```

```
lst = ["Vatsal", "Yash", "Sinnor", "Ask Love", "Archi"]
```

```
print("Hello, ", lst[1], " Good evening")
```

```
    Hello, Yash Good evening
```

```
print("Hello, ", lst[0], " Good evening")
```

```
    Hello, Vatsal Good evening
```

```
print("Hello, ", lst[2], " Good evening")
```

```
    Hello, Sinnor Good evening
```

```
print("Hello, ", lst[3], " Good evening")
```

```
    Hello, Ask Love Good evening
```

```
print("Hello, ", lst[4], " Good evening")
```

```
    Hello, Archi Good evening
```

```
for item in lst:
```

```
    print("Hello, ", item, " Good evening")
```

```
    Hello, Vatsal Good evening
```

```
    Hello, Yash Good evening
```

```
    Hello, Sinnor Good evening
```

```
    Hello, Ask Love Good evening
```

```
    Hello, Archi Good evening
```

```
for name in lst:
```

```
    print("Hello, ", name, " Good evening")
```

```
    Hello, Vatsal Good evening
```

```
    Hello, Yash Good evening
```

```
    Hello, Sinnor Good evening
```

```
    Hello, Ask Love Good evening
```

```
    Hello, Archi Good evening
```

Unsupported Cell Type. Double-Click to inspect/edit the content.

```
for item in range(1,101):
```

```
    print(item)
```

```
    1
```

```
    2
```

```
    3
```

```
    4
```

5  
6  
7  
8  
9  
10  
11  
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53  
54  
55  
56  
57  
58  
59

```
for item in range(-10,10):  
    print(item)  
else:  
    print("The For Loop is completed ")
```

```
-10  
-9  
-8  
-7  
-6  
-5  
-4  
-3  
-2  
-1  
0  
1  
2  
3  
4  
5  
6  
7  
8  
9
```

THE For Loop is completed

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

```
[-10, -8, -6, -4, -2, 0, 2, 4, 6, 8]
```

```
a = 10
```

```
b = 100
```

```
list(range(a,b))
```

```
[10,  
11,  
12,  
13,  
14,  
15,  
16,  
17,  
18,  
19,  
20,  
21,  
22,  
23,  
24,  
25,  
26,  
27,  
28,  
29,  
30,  
31,  
32,  
33,  
34,
```

```
35,  
36,  
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38,  
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43,  
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45,  
46,  
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51,  
52,  
53,  
54,  
55,  
56,  
57,  
58,  
59,  
60,  
61,  
62,  
63,  
64,  
65,  
66,  
67,  
68
```

## ► While Loop

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## ► Control Statements / Keywords

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