

## ▼ Conditional Statement

Discussion Topic

if, elif, else condition

```
print("Week 03!")
```

```
    Week 03!
```

```
# How to use if condition in python?
```

```
age = 18
```

```
if age == 18:
```

```
    print("You are fine to work")
```

```
##print("Your condition is not satisfied")
```

```
➡ You are fine to work
```

### Simple Algorithm for if and else condition

if: True

else: False

or

If: False

else: True

```
# How to use if and else condition?
```

```
age = 15
```

```
if age >= 18:
```

```
    print("You are fine to work")
```

```
else:
```

```
    print("Eligible not to work")
```

```
    Eligible not to work
```

### Algorithm

if: True

elif: False

else: False

```
# How to use if, elif and else condition?
```

```
age = 15
```

```
if age >= 18:
```

```
    print("You are fine to work")
```

```
elif age >= 16:
```

```
    print("You need more 2 years")
```

```
else:
```

```
    print("Eligible not to work")
```

```
    Eligible not to work
```

### While loop for Python

```
# How to use while condition in Python?
```

```
count = 0
```

```
while count <= 9:
    print("number: ", count)
    count = count +1 #count += 1
```

```
number: 0
number: 1
number: 2
number: 3
number: 4
number: 5
number: 6
number: 7
number: 8
number: 9
```

```
## Print a guess number
```

```
from IPython.utils.path import random
```

```
n =20
random_Number_guess = int(n*random.random()) + 1
print(random_Number_guess)
```

```
10
```

```
# How to use loop under loops through conditional statement
```

```
n =20
random_guess_number = int(n*random.random()) + 1
print(random_guess_number)
guess_number = 0
```

```
while guess_number != random_Number_guess:
    guess_number = int(input("New guess number: "))
    if guess_number > 0:
        if guess_number > random_guess_number:
            print("Number is large: ")
        elif guess_number < random_guess_number:
            print("Numbe is small")
```

```
    else:
        print("Sorry that you are giving up")
        break
```

```
else:
    print("Congratulation, you made it!")
```

```
10
New guess number: 10
Congratulation, you made it!
```

```
#####
```