**If Clause**

* Evaluates whether an expression is True or False
* Execute its underlying code when it returns True

days = int(input("How many days in a leap year? "))

if days == 366:

print("You have cleared the test.")

print("Congrats!")

if Logical\_Expression :

Indented Code Block 1

else :

Indented Code Block 2

answer = input("Is Python an interpreted language? Yes or No >> ").lower()

if answer == "yes" :

print("You have cleared the test.")

else :

print("You have failed the test.")

print("Thanks!")

if Logical\_Expression\_1 :

Indented Code Block 1

elif Logical\_Expression\_2 :

Indented Code Block 2

elif Logical\_Expression\_3 :

Indented Code Block 3

...

else :

Indented Code Block N

while True:

response = input("Which Python data type is an ordered sequence? ").lower()

print("You entered:", response)

if response == "list" :

print("You have cleared the test.")

break

elif response == "tuple" :

print("You have cleared the test.")

break

else :

print("Your input is wrong. Please try again.")

**Nested If**

if Logical\_Expression\_1 :

if Logical\_Expression\_1.1 :

if Logical\_Expression\_1.1.1 :

Indented Code Block 1.1.1

else

Indented Code Block

elif Logical\_Expression\_1.2 :

Indented Code Block 1.2

else :

Indented Code Block

elif Logical\_Expression\_2 :

Indented Code Block 2

elif Logical\_Expression\_3 :

Indented Code Block 3

...

else :

Indented Code Block

x = 10

y = 20

z = 30

print("Start")

if x == 10:

print(" Nested If")

if y == 20:

print(" End of Nested If Block ")

else:

print(" End of Nested If-Else Block ")

elif y == 20:

print(" Elif block ")

else:

print(" Nested If")

if z == 30:

print(" End of Nested If Block ")

else:

print(" End of Nested If-Else Block ")

print("Stop")

a = 10

b = 20

if not a > b :

print("The number %d is less than %d" %(a, b))/

num\_list = [1, 10, 2, 20, 3, 30]

for num in num\_list:

if not num in (2, 3):

print ("Allowed Item:", num)

team1 =["Jake", "Allan", "Nick", "Alex", "Dave"]

team2 =["David", "John", "Chris", "Alex", "Nick"]

for aplayer in team1:

if aplayer in team2:

print("%s also plays for team2." %(aplayer))