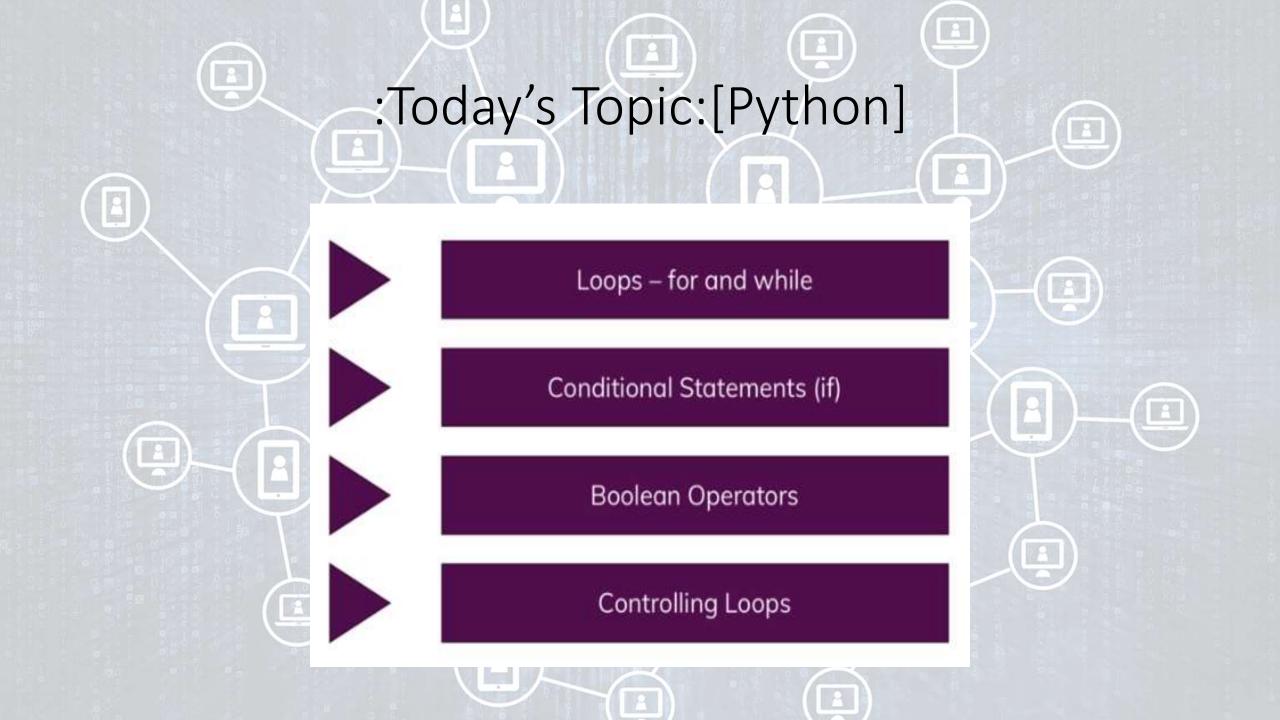
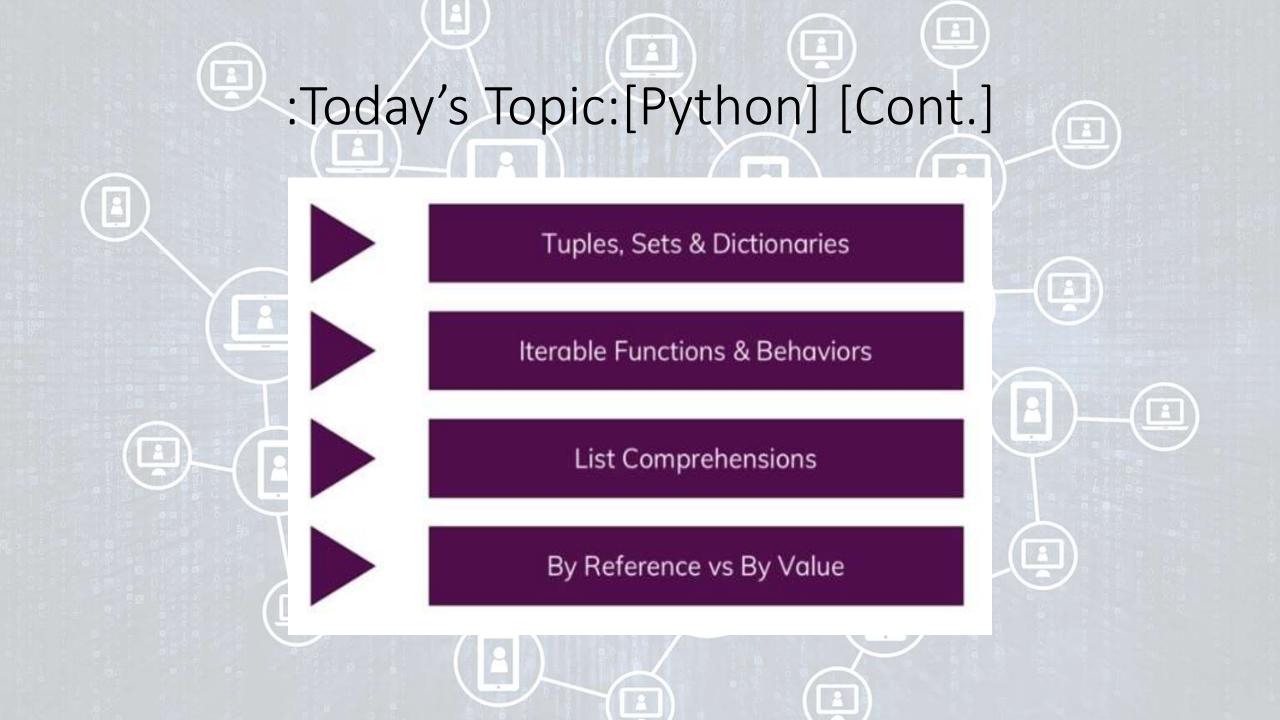
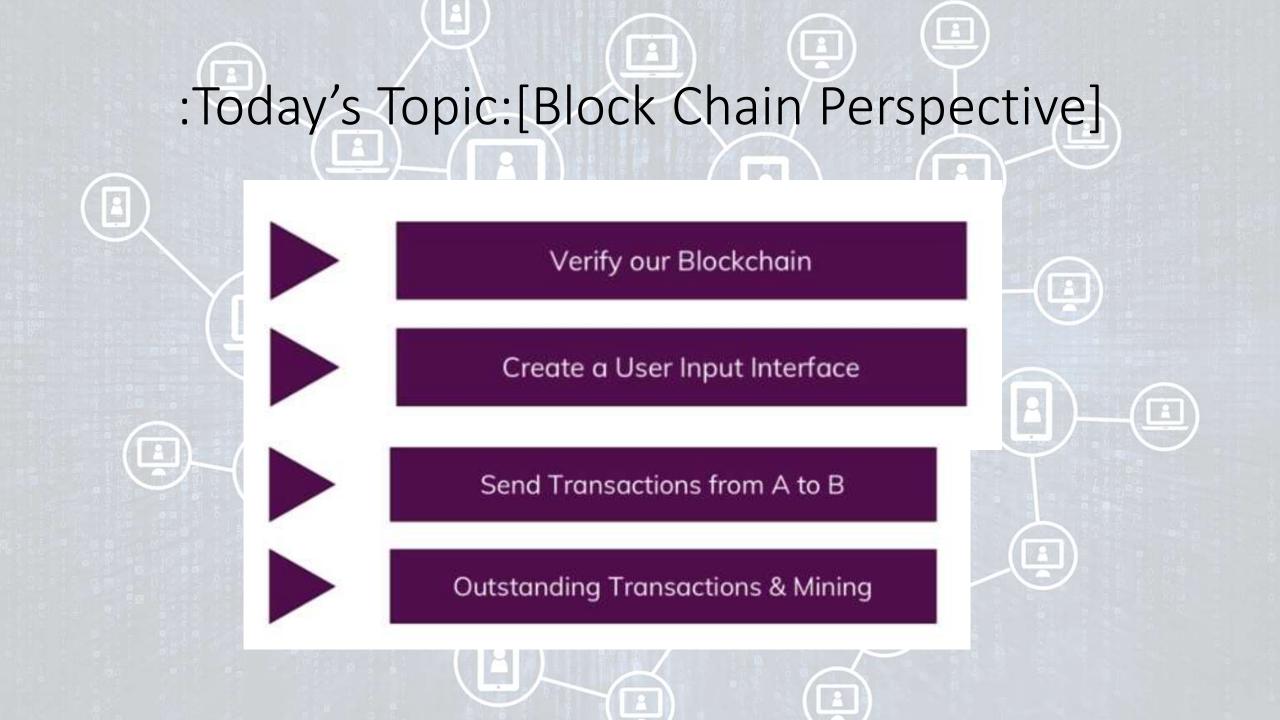
Gyvelcone









for

for element in list:
 print(element)

A for Loop allows you to iterate through the elements of an Iterable (e.g. a List)

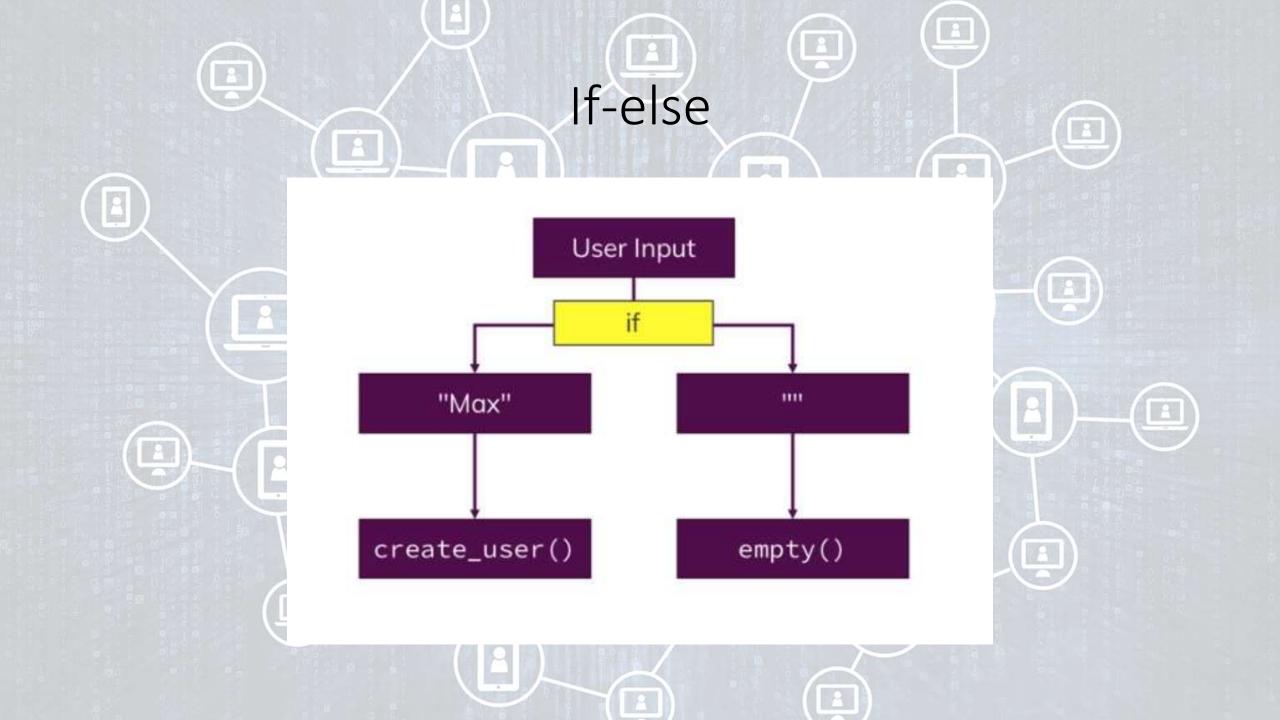
Changing the Iterable as part of the Loop is NOT recommended

while

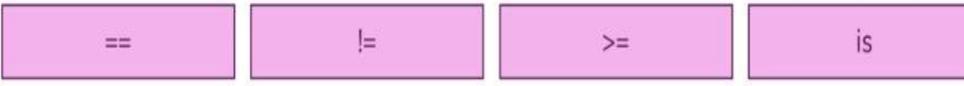
while True:
 print('Infinity!')

A while Loop allows you to repeat code as long as its condition is True.

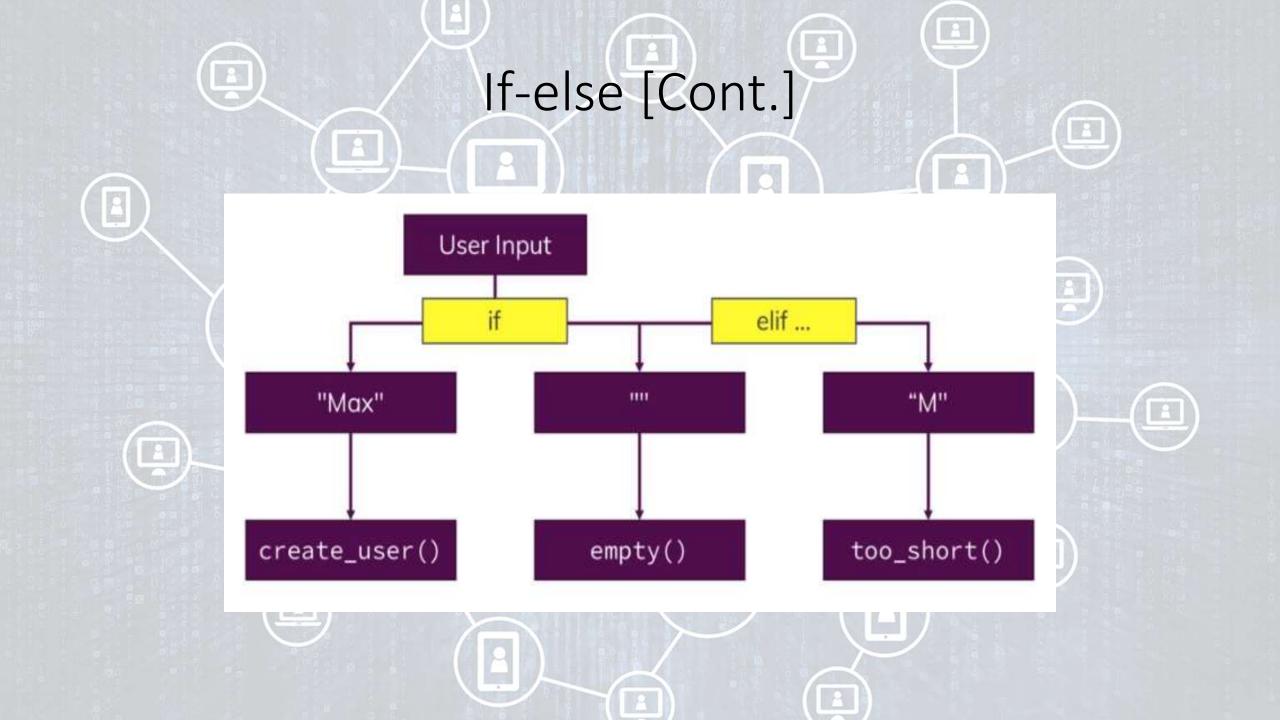
Make sure to provide an exit condition, otherwise CTRL + Z has to be used







> <= in





for element in list: print(element)

A for Loop allows you to iterate through the elements of an Iterable (e.g. a List)

Changing the Iterable as part of the Loop is NOT recommended

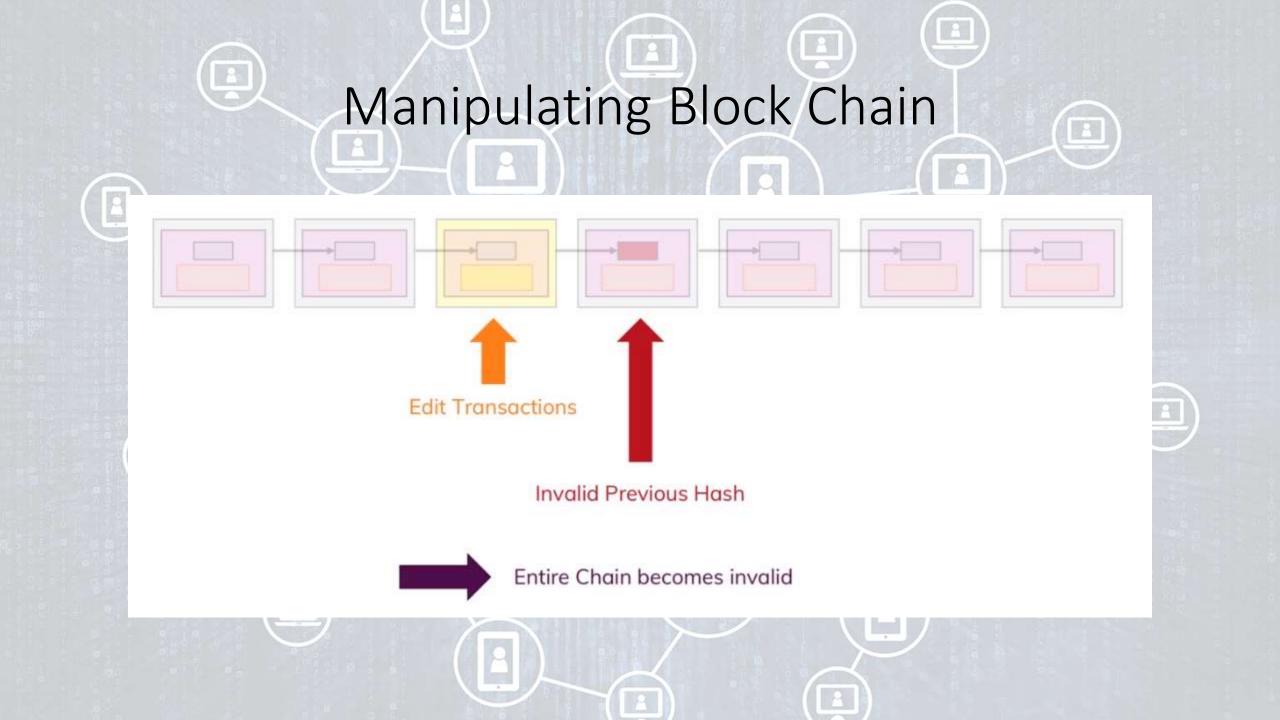
print('Infinity!')

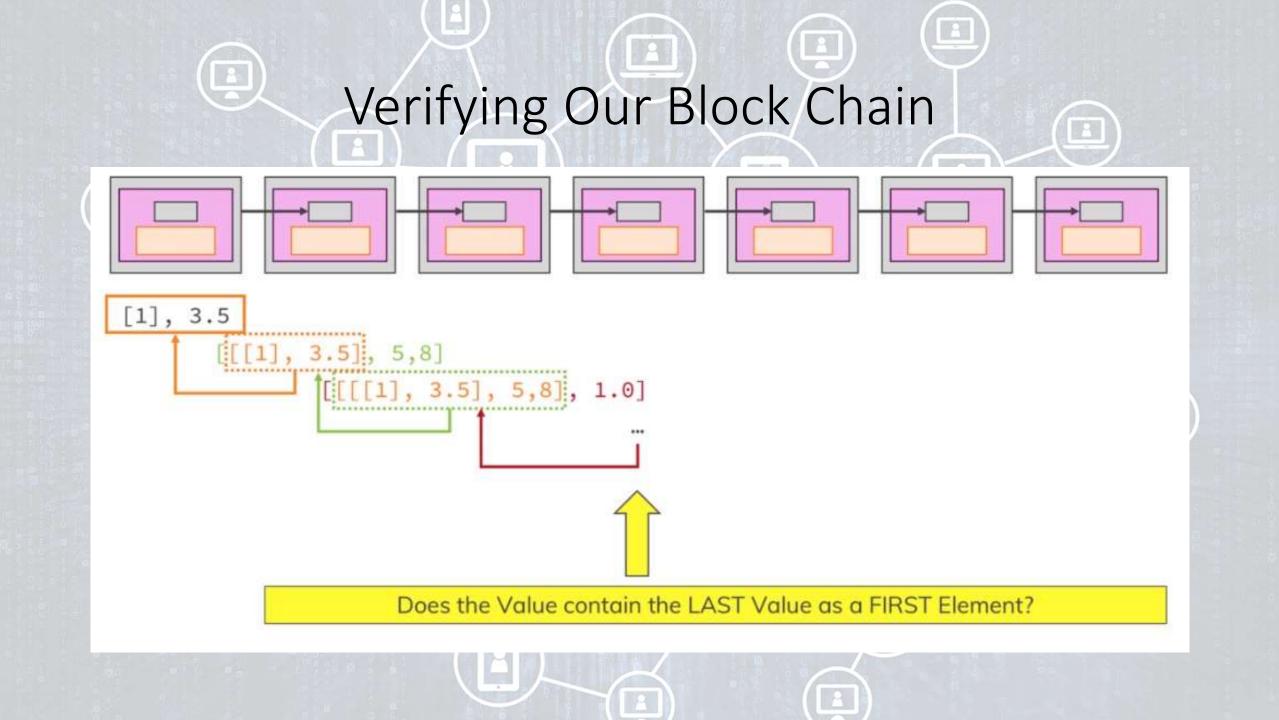
A while Loop allows you to repeat code as long as its condition is True.

Make sure to provide an exit condition, otherwise CTRL + Z has to be used

Use break to exit the Loop before it's finished

Use continue to skip an Iteration







Loops

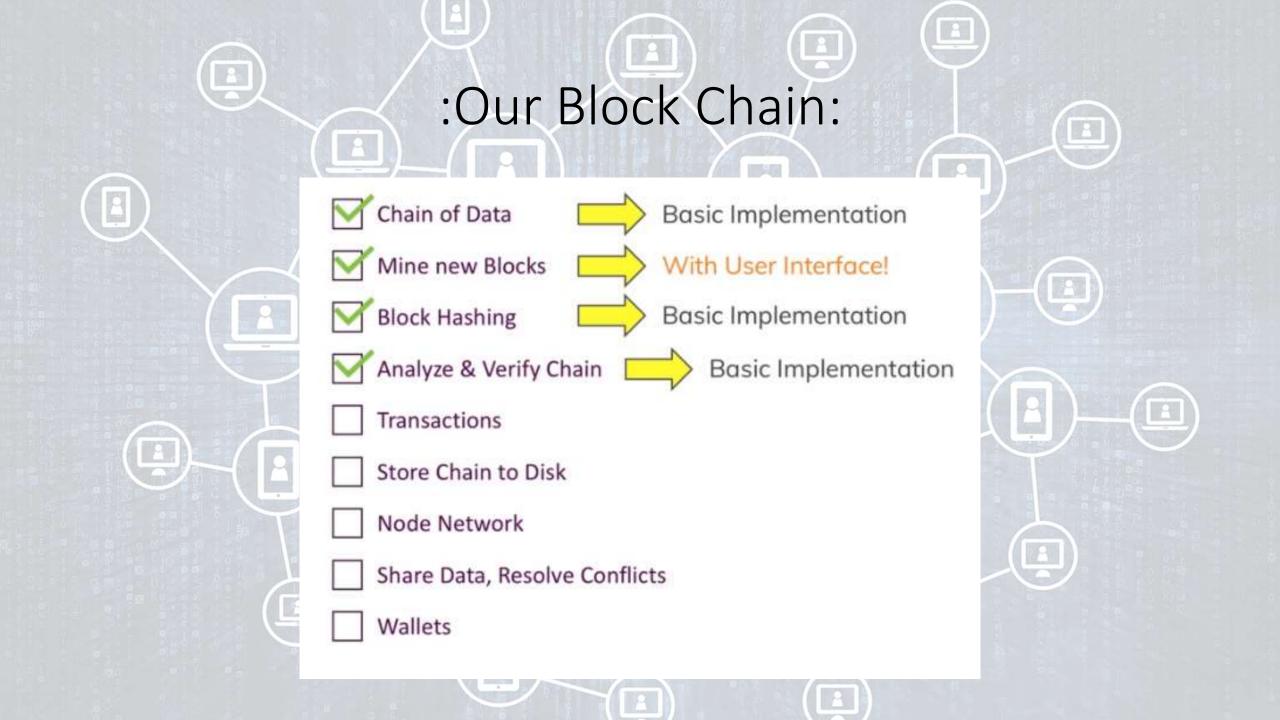
- for: Loop through List (Iterable) Elements
- while: Loop as long as Condition is True

Boolean Operators

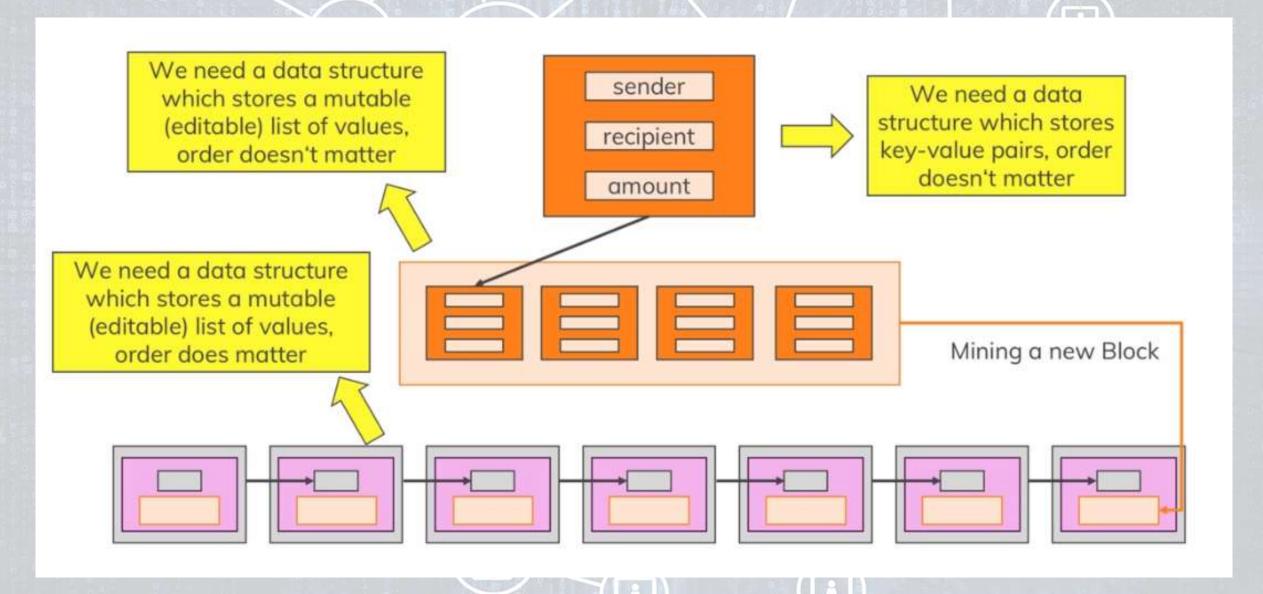
- ==: Are two Values Equal?
- !=: Are two Values NOT Equal?
- >: Is Value 1 greater than Value 2?
- <: Is Value 1 lower than Value 2?
- >=: Is Value 1 greater or equal than Value 2?
- <=: Is Value 1 lower or equal than Value 2?
- is: Is Value True?
- · not: Is Value NOT True?

if-elif-else

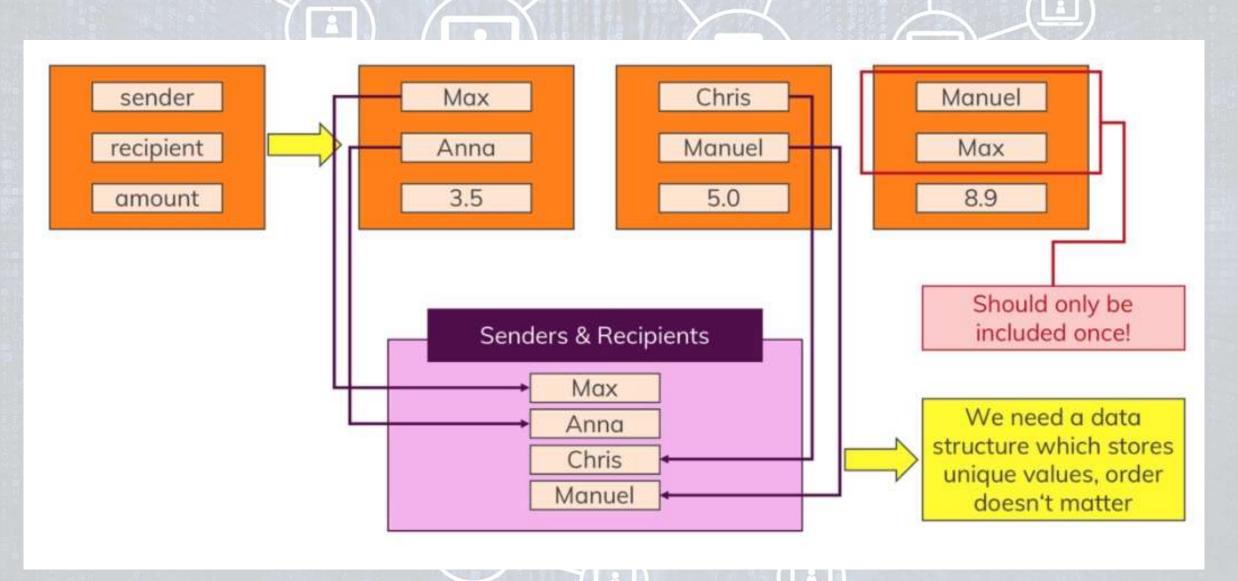
- if: Check whether a certain
 Condition is Fulfilled
- else: Execute Code in Case Condition is NOT Fulfilled
- elif: Perform an additional check in case Condition is NOT Fulfilled



:Block Chain With Detailed Transaction:



Block Chain [Managing Users]







List

['Milk', 'Honey', 'Milk']

Mutable, ordered list, duplicates allowed, mostly only one type

Set

{'Milk', 'Honey'}

Mutable, unordered list, no duplicates, mostly only one type

Tuple

('Milk', 'Honey')

Immutable, ordered list, duplicates allowed, often mixed types

Dictionary

{'name': 'Milk', 'n': 2}

Mutable, unordered map, no duplicate keys, often mixed types

