PYTHON
if-elif-else

- # Python if-elif-else

"if-elif-else" is a conditional operation to make sure that whether a certain code/statement or block of code/statements will be executed or not

1. "if statement"

- SYNTEX

Case 1:
if condition:
   # STATEMENT-1: This Statements will execute if condition is true

1. "if statement"

- SYNTEX

Case 2:

if condition:

```
# STATEMENT-1: This Statements will execute if condition is true
# STATEMENT-2:  This Statements will execute if condition is true
```

2. "if-else" Statement

- SYNTEX

Case 1:

if (condition):

    # STATEMENT-1: This Statements will execute if condition is true

else:

    # STATEMENT-2: This Statements will execute if condition is false

2. "if-else" Statement

- SYNTEX

Case 2:

if (condition):

    # STATEMENT-1: This Statements will execute if condition is true

    # STATEMENT-2: This Statements will execute if condition is true

else:

    # STATEMENT-3: This Statements will execute if condition is false

    # STATEMENT-4: This Statements will execute if condition is false

3. "if-elif-else"

- ## SYNTEX

if (condition):

    # STATEMENT-1: This Statements will execute if first condition is true

    # STATEMENT-2: This Statements will execute if first condition is true

elif (condition):

    # STATEMENT-3: This Statements will execute if Second condition is true

    # STATEMENT-4: This Statements will execute if Second condition is true

.

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else:

    # STATEMENT-(n-1): This Statements will execute at last

    # STATEMENT-(n): This Statements will execute at last

4. Short Hand "If"

- SYNTEX
    if condition: statement

- **Ex:**
  if x < y: print("x is less than y")

5. Short Hand If ... Else

- SYNTEX

    <statement for True> if <condition> else <statement for False>

- **Ex:**
  x = 10
  y=20
  print(True) if x < 20 else print(False)

THANK YOU