

# Full stack web development using python

## Decision Control



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# Agenda

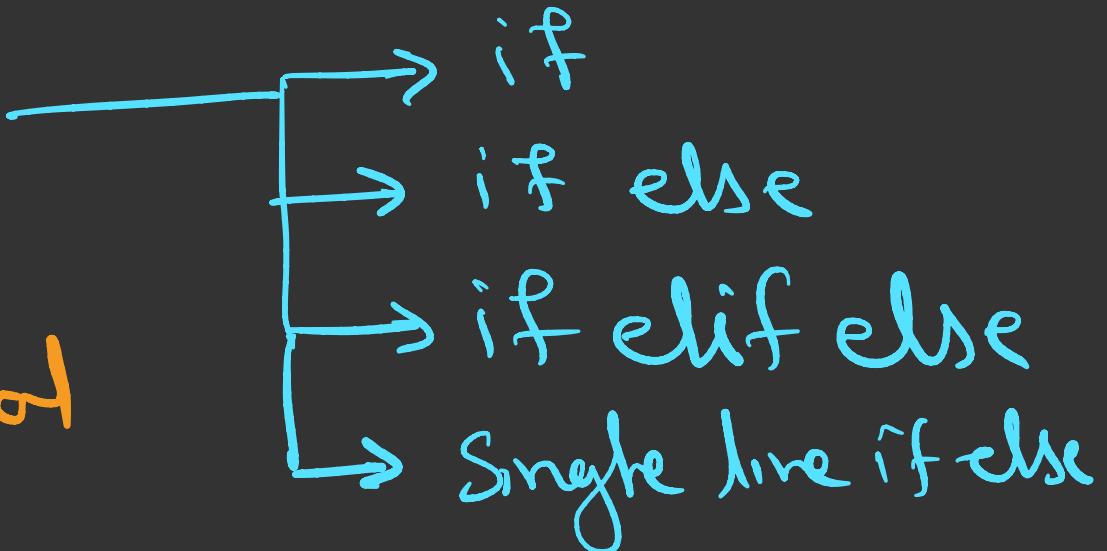
- ① Control Statements.
- ② if
- ③ if else
- ④ if elif else
- ⑤ single line if else

## Control Statement

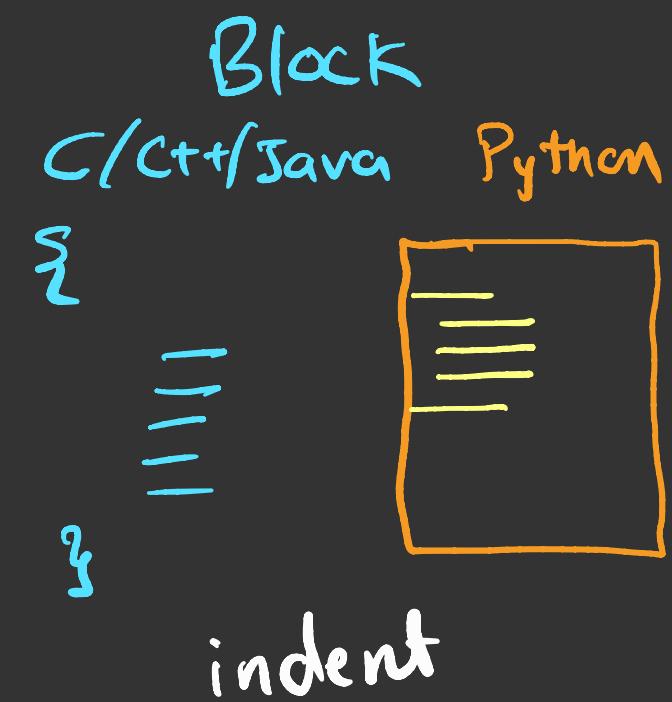
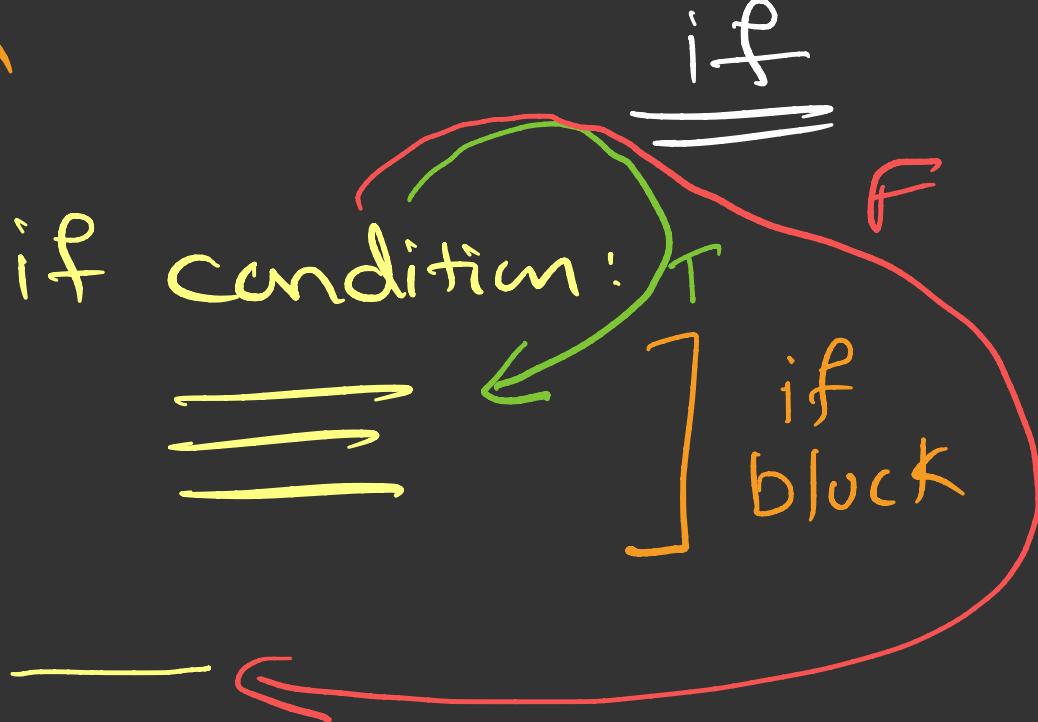
① decision control

② match case

③ Iterative control



Keyword  
↓



Write a program to check whether  
a given number is positive or non positive

a = int(input("Enter a number"))

if a > 0:

    print("Positive")

if a <= 0:

    print("Non Positive")

Keyword

if else

if condition :

==

T

if  
block

Keyword → else:

==

else  
block

Write a program to check whether  
a given number is positive or non positive

a = int(input("Enter a number"))

if a > 0:

    print("Positive")

else:

    print("Non Positive")

if elif else

if condition :

==

elif condition :

==

elif condition :

==

elif condition:

==

else :

==

Write a program to print grade obtained in a test. Take marks obtained from user and display the grade.

90 < marks  $\leq$  100

A

80 < marks  $\leq$  90

B

70 < marks  $\leq$  80

C

60 < marks  $\leq$  70

D

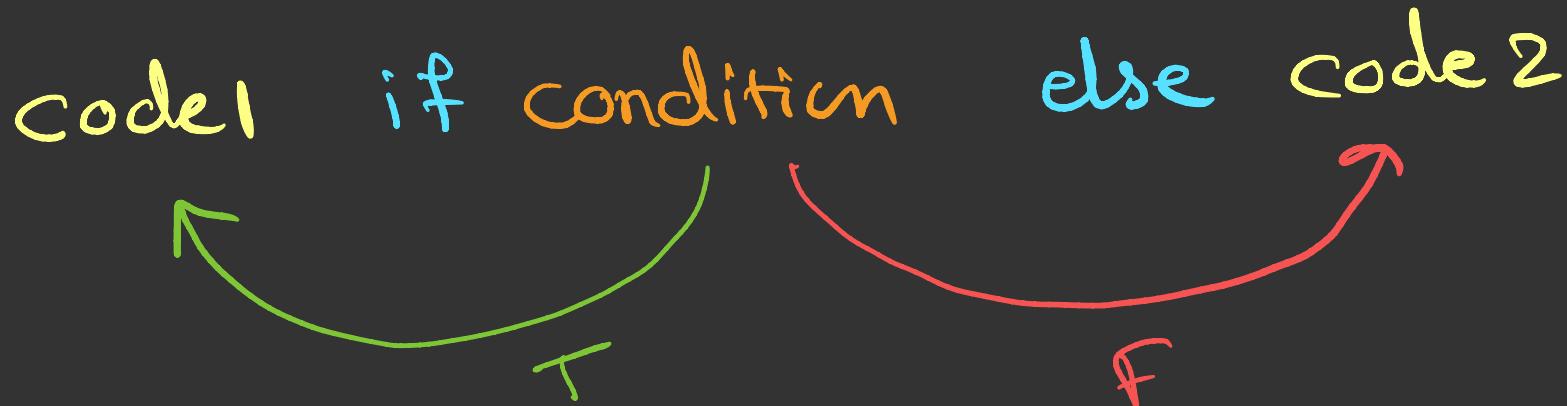
50  $\leq$  marks  $\leq$  60

E

below 50

F

## Single line if else



Single line if else is an expression  
but if else is not an expression

~~x = if --:  
      ==  
    else:  
      ==~~

$x = \text{code1 if condition else code2}$

Write a python program to check whether a given number is positive or non positive.

```
print ("Positive" if int(input("Enter a number")) > 0 else "Non Positive")
```

# Nested if else

if condition :



if condition :



else :



else :

