

Var = Var + value.

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~~special operators~~ :-

~~Exactly~~

Identify Operators :- Is, Is not

$a = 9$

$b = 9$

$a \text{ is } b$

True

$a \text{ is not } b$

False

1) Conditional statements :-

1) If statement - Executes <sup>a block</sup> only if condition is true.

syn: If statement

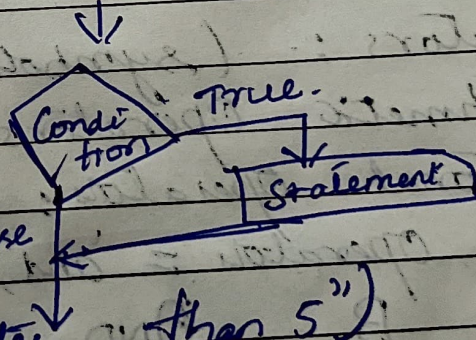
If (condition) :

Statements

$x \geq 2$

If ( $x > 5$ ) :

Print ("x is greater than 5")



2) If... else statements :

syn: If (condition) :

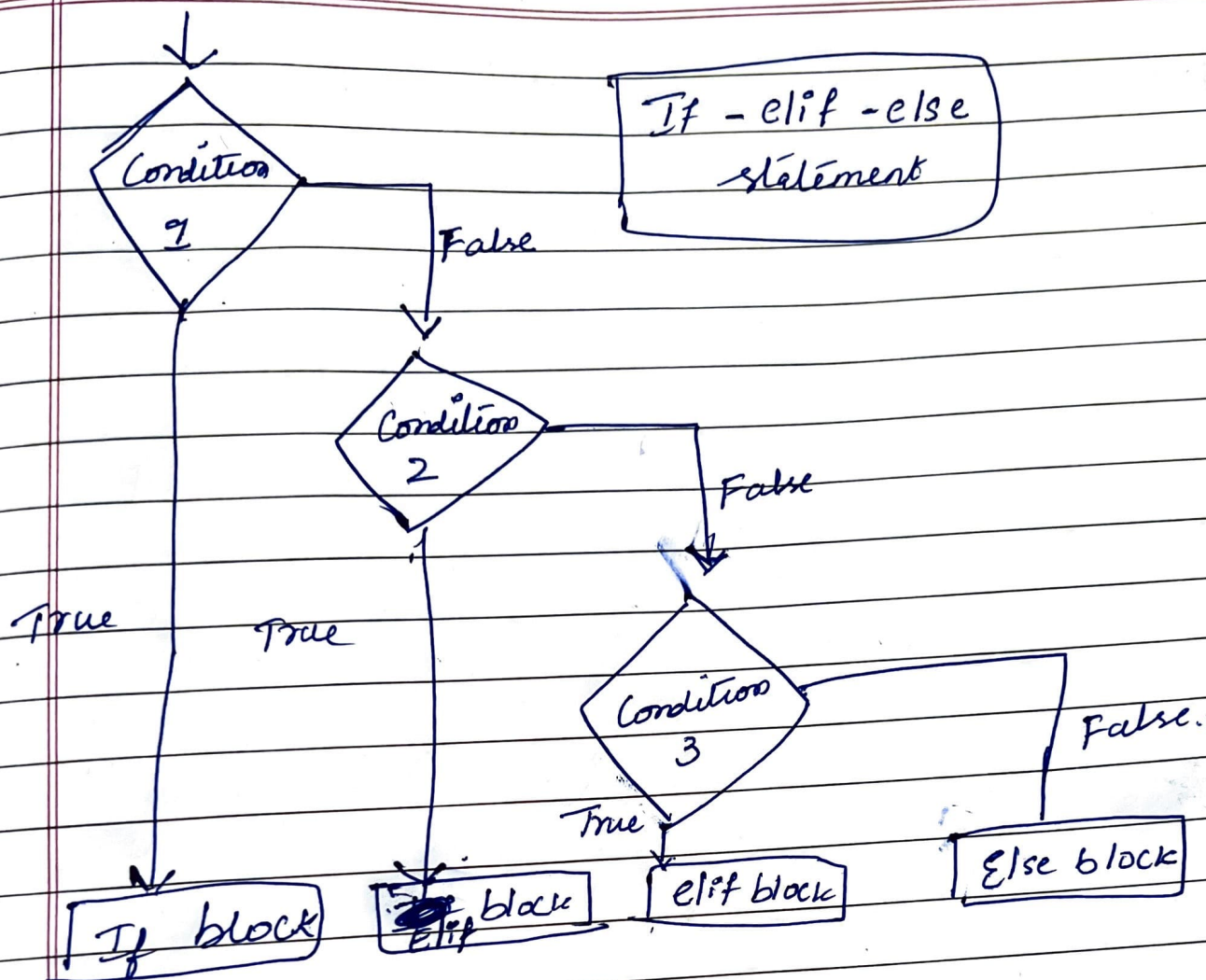
Statements

Else :

Statements



# If - elif - else statement



```
[11]: print(f"division of{a/b}")
```

division of1.0

```
[13]: print(f" sum of {a}+{b}+{a}+{a}={a+b+a+b}")
```

sum of 2.0+2.0+2.0+2.0=8.0

```
[1]: #Identiy operators
```

```
a=9
```

```
b=9
```

```
a is b
```

```
[1]: True
```

```
[2]: a is not b
```

```
[2]: False
```

```
•[7]: #Membership operators
```

```
IN , NOT IN
```

Examples:

I am a member of your family -False (in operator)

I am not a member of your family- True (not in operator)


your a member of your family- true (in operator)

your not a member of your famly - false (not in operator)



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3.1.1. *if-else ladder* multiple conditions checked one by one

4. *Nested if* - using *if* inside another

• [19]: *#examples of if..else :*

```
x=2
```

```
if(x>5):
```

```
    print("x is greater than 5")
```

```
else:
```

```
    print("x is not greater than 5")
```

x is not greater than 5

[ ]: *#examples of if..else ..else ladder:*

condiion can be written *in if* place

statements written *in else*

syntax:

```
if (condition1):
```

```
    statements1
```

```
elif(condition2):
```

```
    (statements2)
```

```
elif(condiiton3);
```

```
    (statement3)
```

```
else:
```

```
    statemnts
```