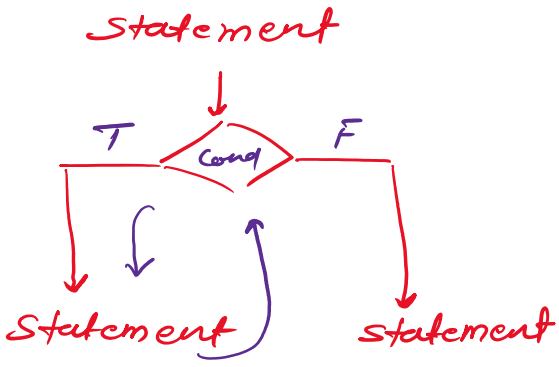
While- for

15 July 2025 15:44

1) Control Flow



Condition

① while

step1 : Initialization

step2 : Condition

step3 : Operation

num = 0

6<=5 IF I stop
1<=5
0<=5

while num<=5 :
↓T ↳T
print(num) → 0
num+=1
num = 0+1 ⇒ 1

Block

initialize ✓

while cond : ✓

=

if cond :

=

else :

=

operation ✓

Conditional Statement / keywords

① break : Stop execution

② continue : skip execution

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③ pass : Syntactically correct / pass logic

```
num = 1
while num<=10:
    print(num)
    if num == 5:
        break
    num+=1
```

Nested while

```
initialize
while cond:
    =
    while cond:
        =
        op
    op
```

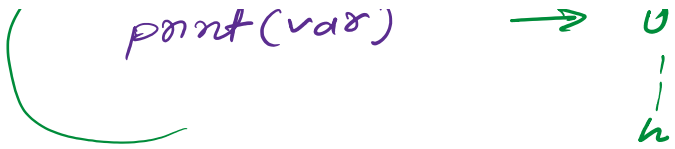
② For loop

```
for var in collection:
    =
```

```
name = "Uwaish"
       0 1 2 3 4 5
for var in name:
    print(var)
```

start → first elc
end → last elc

→ U


print(var)
0
h