Control Flow Programming
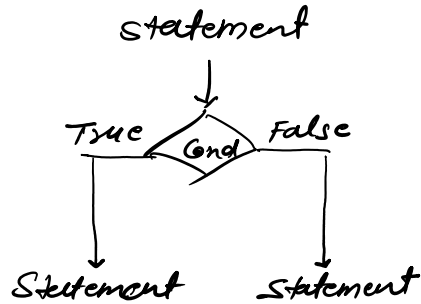
① Procedural

① Sequential

statement
↓
Statement
↓
Statement

② Conditional

statement

True — Cond — False

Statement　　Statement

③ Control Flow

statement

True — Cond — False

Statement　　Statement

① While loop　　② For loop

3 Step process
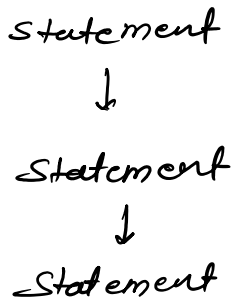
Step1 : Initialize

Step2 : Condition
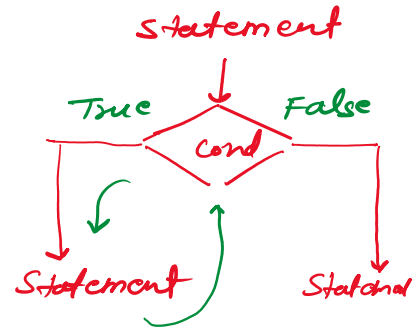
Step3 : Operation

```
name = "Uwaish"
print(name[0])
        !
print(name[5])
```

Display first 10 numbers.

```
print(1)
print(2)
print(3)
  !
print(10)
```

≈

```
num = 1        11<10 ⟶ False (stop)
                2<=10
                1<=10
while num<=10:
    print(num)    ⟶  1
    num += 1          2
    num = num+1
       1+1 ⟹ 2
```

while loop with conditional prog.

initialize

```
initialize
while cond:
    if cond:
        =
    else:
        =
    operation
```