

21-01-2026

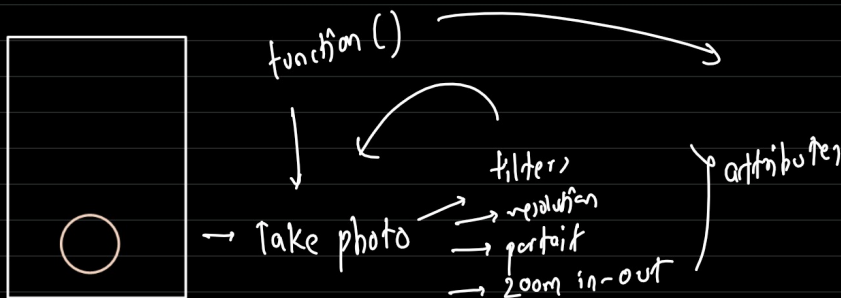
## Agenda:

- input
- output
- Control flow (advance)
- loops

## Output:

`print()` → used to display information on the console.

→ arguments



`print("hello_world")` → hello\_world  
`print("hello_world")`

`('\\n')`

h → press enter  
⋮  
new line  
new line  
`'\\n'`  
↓  
new line

`print("hello_world")` → `print("hello_world", end='\\n')`

`print("Hello")`  
`print("Hello")`

Hello  
Hello

helloHello

Helto... Helto

input:

First name	<input type="text" value="Enter your name"/>	
Email	<input type="text"/>	
DOB	<input type="text"/>	<input type="text"/>

mona

wait for user to type

name = input("Enter your name")

it does not report to mouse click

name = "mona"

string

it only report to keyboard

stop taking input when pressed.

Enter your name\_:

## control flow (advance) (nested)

if	if	if	if
elie	if	elif	elif
	if	elif	elif
	elie	if	elie

```
if :
    if
    else
else
    if
    if
    else
    else
```

~~is-user-authenticated~~ = True / False  
if is-user :

assignment → revision

user\_role =  
1/3 if user\_role == "admin":  
    print("you have access to edit, view & delete")  
2/3 elif user\_role == "editor":  
    print("you have --- view & edit")  
else: elif user\_role == "viewer":  
    print("you have only view access")

loop:

- avoid repetitive writing
- efficient code
- work until a condition is met.

2 x 1 = 2 → print("2-", "x-", "1-", "=", "2")  
2 x 2 = 4  
2 x 3 = 6  
⋮  
2 x 10 = 20

for iterable:

grocery shop

apple → 1

iterate → repeat  
something

bag (objects) →



○

Task: count all thing in bag

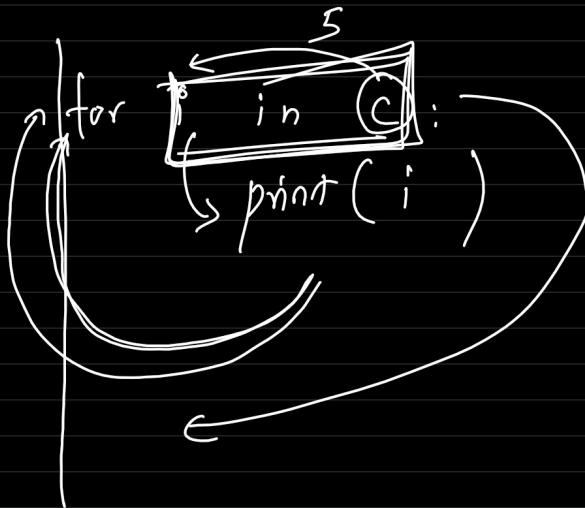
:

→ cont one by one

$a=1$  ,  $b=100$  ,  $c = [1, 2, 3, 4]$   
↓                      ↓                      ↓  
X                      X                      iterable

$c = [1, 2, 3, 4, 5]$

1  
2  
3  
4



$i=1$   
 $print(1) \rightarrow 1$

$i=2$   
 $print(2) \rightarrow 2$

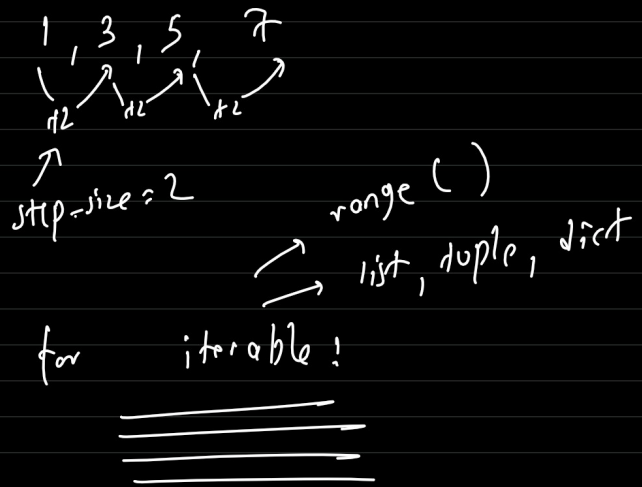
$i=5$   
 $print(5) \rightarrow 5$

$range(1, 100) \rightarrow$  numbers from 1 - 99

$range(1, 101) \rightarrow$  numbers from 1 - 100

step-size = 1

$[1, 2, 3, 4, \dots, 10]$   
↑  
step-size



```
for day in days_of_week:
    if day == "wednesday":
        print("send an email for booster_class")
```