



# Function in python

are 1<sup>st</sup> class Citizen.



## Function in python are first class citizen ÷

- 1] Can be stored in a variable,
- 2] Can be stored in other data structure.
- 3] are an object.

type (prod)

- 4] Can be passed as an argument to a fn.
- 5] return function from another function.

Let us see some code.

# Higher Order Function

→ takes function as a argument.

or

→ returns a function.

```
def outer_fun():  
    def inner_fun():
```

```
        _____  
        _____  
        _____
```

```
    _____  
    _____
```