Programming

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Lesson8 - Functions الدرس 8 - المَهام

Reminder - Lesson7

- Loops
- For loop
 for x in [1, 2, 3, 4]:
 print(x)
- While loop while x>10: print(x) x = x + 1

Functions

- Wrapper of block of code runs only when it is called
- Can take inputs (parameters)
- Can return data (results)

Function creation

Using def keyword

```
def my_function():
    ...
    code
    ...
```

Example:
 def print_me():
 print('Hello word, my name is Saeed')

Function call

Example:
 def print_me():
 print('Hello word, my name is Saeed')
print_me()

Arguments

```
    def my_print(msg):
        print('***my print****', msg)
    msg is a parameter that my_print function is expecting
    Function call:
        my_print('Hello world')
    will print
        ***my print**** Hello world
    Multiple arguments:
        def my_print(first_name, last_name):
```

my_print('Saeed', 'Isa') -> First name: Saeed, Last name: Isa

saeed.isa@gmail.com @saeedisa90 6

print('First name:', first_name, ', Last name:', last_name)

Result

► Result is function return value

```
def my_sum(x, y):
    res = x + y
    return res

val = my_sum(1, 9)
print(val) → will print 10
```

Let's try...©

- Open PyCharm:
 - Create new file: functions.py
 - ► Start coding ©



Thank you ©!

Stay tuned for more!

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