Functions 1

9:05

Oct 22 Mon-2 Oct 22 Mon-3 > Nischel

Agenda

- Concept
- Syntax
- Arguments / Parameters
- Returning values
- Docstrings

To be covered in Functions 2

- Default arguments
- Keyword arguments
- Scope local, global

<u>Instructor</u> Tarun Luthra

- Software Engineer & Instructor @ Scaler
- Fullstack Developer @ LevelAI (USA based startup)
- Fullstack Developer @ Coding Minutes
- Instructor @ Coding Blocks



Dotal Cos Animes Mangar

Chai-Coffee

```
print("Boil some water")
print("Add sugar & tea leaves")
print("Add some milk")
print("Heat it for a few mins")
print("Boil some water")
print("Add sugar & tea leaves")
print("Add some milk")
print("Heat it for a few mins")
print("Heat some milk")
print("Put coffee & sugar in the cup")
print("Pour hot milk into the cup")
print("Boil some water")
print("Add sugar & tea leaves")
print("Add some milk")
print("Heat it for a few mins")
 print("Heat some milk")
 print("Put coffee & sugar in the cup")
 print("Pour hot milk into the cup")
```



- → Reputition → Redundancy
- Not maintainable

```
teal)

coffeel)

teal)

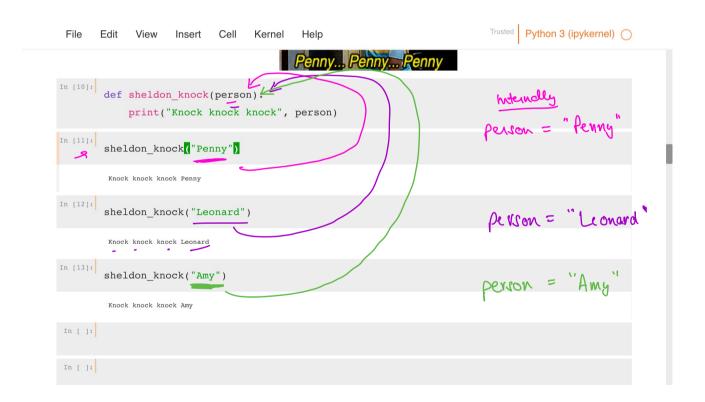
coffeel)
```

tea()

tea ()

print("Heat some milk")
print("Put coffee & sugar in the cup")
print("Pour hot milk into the cup")

coffee()





Quiz 1

```
def voldy(horcrux1, horcrux2, horcrux3, horcrux4):
                                                                             Tom
    print(horcrux3)
                                                                             Muff-
Raven
    print(horcrux1)
    print(horcrux4)
    print(horcrux2)
                                                                             Marry
voldy("Hufflepuff's Cup", "Harry Potter", "Tom Riddle's Diary", "R
avenclaw's Diadem")
```



till Break

10:05 PM

```
def multiply(a, b):
                                   Return 15 back to
                                   where the function was
   return a * b 15
                    anse 15
ans = multiply(3, 5)
print(ans)
```

```
y = \text{m-ltply}(2, 10)

A

whenely

y = 20

Print (y)

\Rightarrow 20
```

```
def square(x):
return x * x

def pythagoras(x, y):
return square(x) + square(y)

print(pythagoras(3, 4))

t

frint (25)
```

Ouis 4

```
def foo_bar():

-> print('Foo')

return 1

print('Bar') 

Reduntant |

to get executed.

Anything after voturn

is not executed

print(res)

-> Foo

-> 1
```

Doubts

```
Thank
You
```

```
def square(x):
    print(x * x)

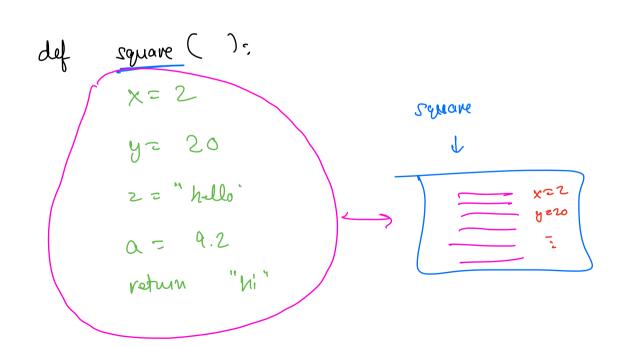
def pythagoras(x, y):
    print(square(x) + square(y))
    Nowe Nowe
ans = pythagoras(1, 1)
print(ans)
```

```
def square (x=1):

Print (1 *1)

unat does above call

noturn? > None
```



Clood Night



Wednesday