Unit tests

Ref: youtube. com/watch?v= 6tNS--WetU (Corey Schafer - Python Tubrial) say you have a calc. py (calculated) with 4 functions

add (xy)

sultract (X,y)

mulbbo (x,y)

divide (x,y)

where you will test _ cak.px write pur tosts

whereting from Import unit took calc 1 mport

class Test Calc (unit test. Test Case):

otherwise work def test_ add (self):

result = calc.add(10,5)

n add more self. assert=Equal (result, 15)

cannot just sun python test_calc. py work return anything python - m unit test test - calc. By Ran 1 best To directly use test-calc.py, .can add If __ name __ == "__ main": unit test. main () then can just do Python test_calc.py 4 ox

Say your calc. py

Touses a Value Error for

To check in your unit test that your function raises the correct terror

self. assert Raises (Value Error, Calc. divide,

eror broud e

input

S

with self. assest Raises (Value Error):

carrest manager

calcodivide (10,0)
what if you want to create some

what it you want to create some set up for your test cases unt you want to reuse while testing a 1-t of methodo?

(to avoid creating the set up for the test case in every method individually)

lef set Up (self):

oill run to sale serve: single test every single

> self. example = ----

create were def

tear Down (self):

unil run te code after every single test

tests may not run in order!

If you want to new some code
before starting tests
and run some code after all tests...

@ class method

def set Up Class (ds):

def bear Down Class (cls):

If your code depends on pulling some data brom an external website and that website is down, then you don't want to record that as failure of your code....

" Mocking"

from unit test. mock import patch

(allows you to "mock" an object

during - test and after test

us run, orged is automatically

recreated)

with patch ('objyou-) as mocked _ vart = ---
mocked _ var's value

mocked _ var' = ----