

EM&CP BLK Tuesday, March 8, 2022



Midterm

PA due

5-10 min before class → email (UTCS email)

+ login like today
 + open notepad
 work (answers)
 + save as .txt

PDF
 exam + "honor sheet"
 you do not submit
 print out
 & give to
 monitor

• **Send your test** (notepad .txt) as an attachment to an email to bnorton@hys.kiz.vn.us

• your work must be received by 11:35am
any submission after that time will
not be accepted

question/problem (11:55 am) ask as normally do
call — HGS tech support #: 813 507 9956

1. T

2. F

3. A

4. D

5. E

6. A

7. C

8. ^{write} specification

9. gives spec, write code

READ Chp 6 - Python

Order

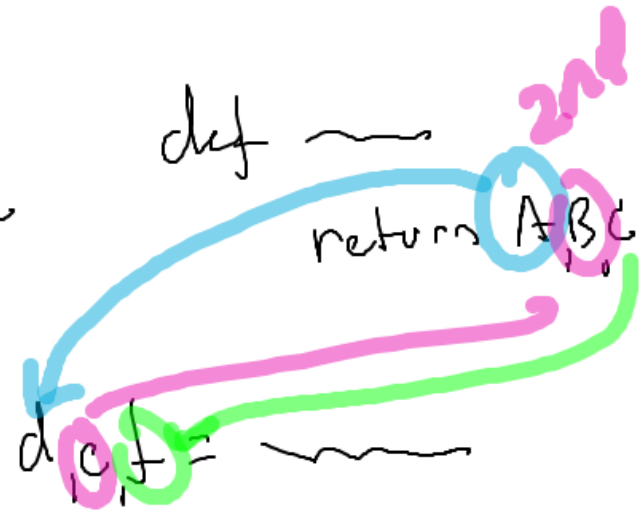
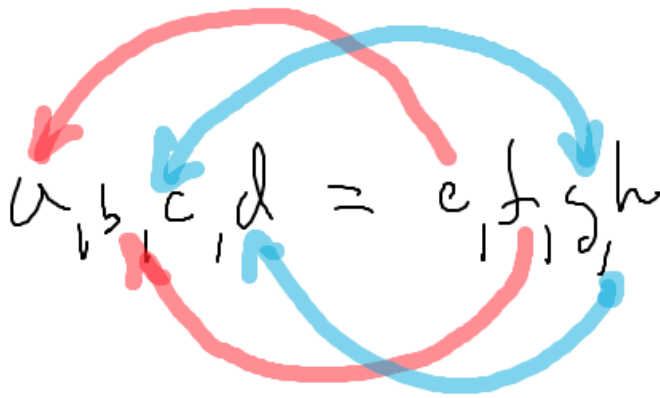
Python
import
other functions
def main()

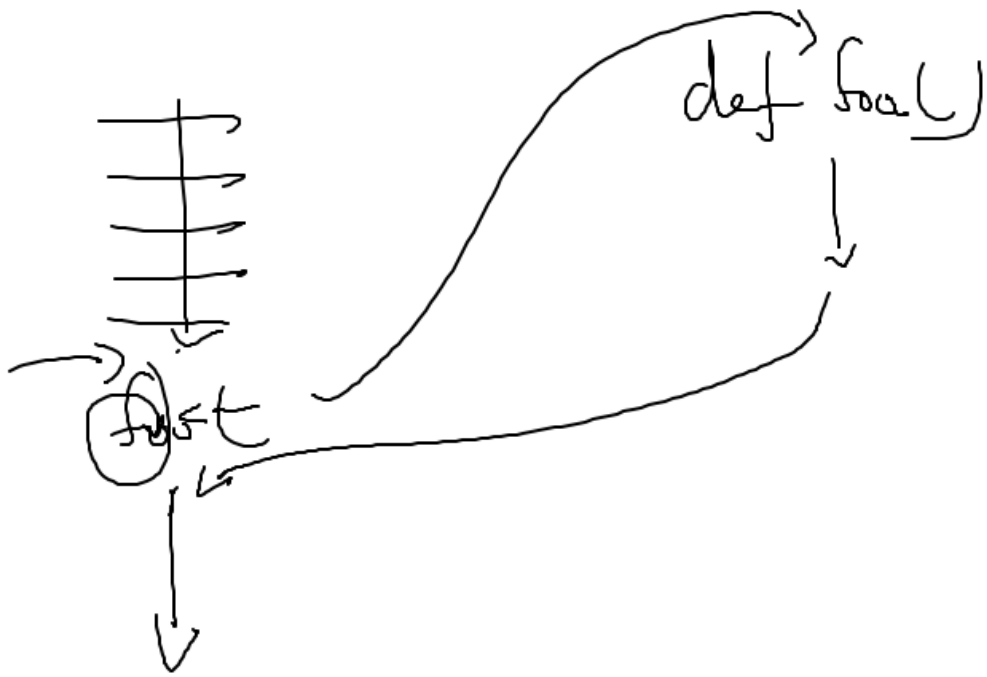
Processing
↳ imports
↳ declare
✓ setup()
✓ draw()
other functions

void draw() {
}
void yourFunction

Python
Pg 203
TIP

def function Name (par1, par2, par3
arg1, arg2, arg3, ..)





$$\text{result} = \underbrace{\text{foo}(15.3)}_{\text{expression}} * 10$$

repl.it.

#3 Pg 206-207

specific

sphereArea(radius) \Rightarrow def sphereArea(radius) ✓✓✓

~~def roundBall(diameter)~~
NO! NEVER!

exercise
Chp 3
Pg 79


```
def sphereArea
```

```
def sphereVolume
```

```
def main
```

```
    get radius surface
```

```
    compute sphere area & sphere volume
```

```
    print out result
```

pg 207
#11

list of
numbers

def squareEach(nums) [2, 7.25, 13.4, -1]

squareEach([2, 4, 6])

return [4, 16, 36]

$$\text{nums} = [2, 4, 10]$$

The diagram illustrates the transformation of the array $\text{nums} = [2, 4, 10]$ into a new array $[4, 16, 100]$. Each element in the first array is squared to produce the corresponding element in the second array: $2^2 = 4$, $4^2 = 16$, and $10^2 = 100$.