L13: Functions, scope, return value (unfinished)

Sunday, February 13, 2022 10:45 PM

This quarterly fair features over 55 organizations from across the region, representing a variety of industries, recruiting for jobs and internships.

Students are encouraged to research participating employers in advance on the here and be ready to talk about the skills, knowledge and experience they have developed during their time at WWU! In fact, the Career Services Center is hosting workshops to help students prepare, whether it be tailoring their resume, crafting their elevator pitch, or conducting a practicing interview. Participation in workshops or the career fair is FREE and open to all students and alumni!

If students need something professional to wear, please encourage them to <u>visit our Career Closet</u>, with free, professional clothing that students can keep!

Returning values:

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```
def is it two(num):
2
       if num > 2:
3
           print("greater")
4
           return("greater")
5
        elif num < 2:
6
            print("less than")
7
            return("Less")
8
9
        else:
            print("is two!")
10
            return("2!")
11
12
13 result = is it two(int(input("Number")))
```

```
def get integer from user(question):
3
       user input = input(question)
       while not user input.isdigit():
4
           print("Sorry that's not a number. Try again")
5
           user_input = input(question)
6
7
8
       return int(user input)
9
0
  puppies = get integer from user("How many puppies?")
.1
  kittens = get_integer_from_user("How many kittens?")
.2
```

Nothing after the return will print! the point of no return

```
13 print("here!")
14
```

```
1
   def get_integers_from_user(num):
       integers = []
 3
 4
       while len(integers) < num:</pre>
 5
            user_input = input("Please type an integer")
 6
 7
            while not user_input.isdigit():
                print("Sorry that's not a number. Try again")
 8
                user_input = input("Please type an integer")
 9
            integers += [int(user_input)]
10
11
12
       return integers
13
   print(get_integers_from_user(3))
14
```

Functions:

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	L-14-9
Why Functions?	
Concise > wrap it up for easy ruse	
CostoniZable -> send arguments to do differe things	
Composable - can combine them to build bigger programs (Next lecture)	
Draw a square with a twill in a function	
and a Si	need atotle
t, to war	est this much. In paper, check to see how close to goal
	Repeat this a for loop?
def draw-square(t,size): for in range (4): t. for word (size) t. Left	did me do it? tost leanend of spre

L-14-3 Challenge: how to change draw- Square to draw rectargles?

Small group) breatout | and a twite beignt clef draw_rect (t, w, h): for i in range (2): t. for ward (w) t. (40) t. for word (h) t. (40) CUL doc Strings Required by me : future bosses can generate documentation automatically Summer Courter Clockwise · precordition: Twite has perdown facing w post condition; twile ends where it startled t turtle object don't you wish Quiz w width integer motom. (ode had the? h height integer returns: o none plant plantit

Functions calling functions

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```
def f(x):
        print("F")
 3
        g(x)
 4
        print("F2")
 5
 6
   def g(x):
        print("G")
        h(x)
 8
        print("G2")
 9
10
11 def h(x):
        print("H")
12
13
14
15 h(2)
16 f(3)
17 g(5)
```

What will print?