

CSI 31 Lecture 15 In-Class assignment:

1. Show the output of each of the code blocks

```
a) def main():
    a, b = -1,1
    c = [1,2,3]
    print(a,b,c)
    f1(a,b,c)
    print(a,b,c)

def f1(x,y,z):
    x = 2
    y = 3
    z.append(x+y)
    print(x,y,z)

main()
```

```
b) def g():
    a, b = -1,1
    c = [1,2,3]
    print(a,b,c)
    f1(a,b,c)
    print(a,b,c)

def f1(x,y,z):
    x = 2
    y = 3
    z = [0]
    z.append(x)
    z.append(y)
    print(x,y,z)

g()
```

What is the difference between two code blocks?

2. Write a test function(s) to perform at least 4 tests for the following function:

```
def is(s):
    """ counts the number of letters from alphabet and returns this value
    """

    counter = 0

    for ch in s:
        c = ord(ch.lower())
        if 97 <=c <= 122:
            counter += 1

    return counter
```

You can grab this file with the code above: [InClassAssignment2.py](#)

3. Entire class project

Let's write a bunch of function definitions separately, then put them all into one file and run some code. Here is a list of functions to work on (pick one, you can work in group):

```
sum_  
average  
sumOfSquares  
product  
min_  
max_  
readFromFile()  
outputToFile()
```

You can find description of each function here: [InClassAssignment3.py](#)

Send the file with your definition to my e-mail: natna20@gmail.com

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