Midterm Review

Monday, October 17, 2022 9:11 PM

For loop review

Tuesday, February 1, 2022 11:15 PM

for num in [1, 16, 4]: Print(num) num = num * 10 1 Min: what does this print?

>> 1 16 4 10 10 10 10 10 10 10 4

100P Variables get reset at top OF loop (regardless of what happens in the bop!

Breatout on Lecture 12 Hardout off Carvais

Exercise 1: Specify the output of each of the 4 programs, P1, P2, P3 and P4, shown below. If the program prints nothing, write NOTHING. If the program has a syntax error, write ERROR.

for fruit in ["apple", "tomato", "ant (fruit?)"]: print("a/an", fruit)

Exercise 1: Specify the output of each of the 4 programs, P1, P2, P3 and P4, shown below. If the program prints nothing, write NOTHING. If the program has a syntax error, write ERROR.

P1	for fruit in ["apple", "tomato", "ant (fruit?)"]: print("a/an", fruit)
P2	for aNum in [1, "1", float(2)]: print(int(aNum) * int(aNum))
P3	for aLetter in ["a", "b", "c", "d"l print(aLetter, sep="AM")
P4	for aLetter in ["a", "b", "c", "d"]: print(aLetter)
) 1 a /an apple	

PI a /an apple or an tomato a /an an ant (fruit?)

P2 1
4

P3 Error (missing cubn)

P4 a
b
c
d

Ranges review

Tuesday, February 1, 2022

10:57 PM

```
for i in range (4):

For j in range (3,6):

Print ("**, end="-")

Print
```

```
i: (loops 4 times)
j: (loops 3 times)

>>
    *_*_*_
*_*_*_
*_*_*
```

Breatast rooms:

```
for i in range (1, 6):
              v = v * i
Which of the following programs end with v
having the same value as the program above?
                                              Program C:
                                               for i in range (5):
                                                  v = v * (i + 1)
    Program A:
                    Program B:
                                               Program D:
                    v = 2
                                              v = 1
                   for i in range (1, 5):
    while i < 5:
                                              i = 1
                    v = v * i
      i += 1
                                              while i \le 5:
       v = v * i
                                                 v = v * i
                                                  i += 1
```



Under wherwein lecture 12 skel done

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Range breakout and ABCD

Friday, April 22, 2022 3:04 PM

These are all in the breakout room slides

Challenge

When running the code below, what pairs of values could be assigned to the variables x and y so that the program prints WWU 43 times? Select all correct choices.

Breatout rooms

```
Size of a range

for i in range (5):
    print(i, end="")    prints: 0 1 2 3 4

for i in range (2, 5):
    print(i, end="")    prints: 2 3 4

for i in range (1, 8, 3):
    print(i, end="")    prints: 1, 4, 7

Exercise: How many elements are in range (n) ?

A. 0
B. n-1
C. n
D. 10
```

ABCD



```
tim = turtle.Turtle()
     You're creating a copy of turtle and you should be using tim instead after that line.
     tim.goto() (NOT turtle.goto(x, y)
 if __name__ == "__main__":
   # code here will not run when this file is imported
   # but will run if the file is run as a program
   print("Hello, world!")
```

finishing their main function with a turtle.done()