Lab01 and hw01

Not ending loop

What would python display

>>> positive = 28

>>> while positive:

... print("positive?")

... positive -= 3

In What Would Python Display problems, always follow these rules:

. . .

If an expression would take forever to evaluate, write Forever.

. . .

Veritasiness

What would python display

- Short-circuiting
- >>> True and 1 / 0 and False
- >>> True or 1 / 0 or False
- 1/0 or True

Fix the Bug

Lab01

def both_odd(a, b):
"""Returns True if both a and b are odd numbers.

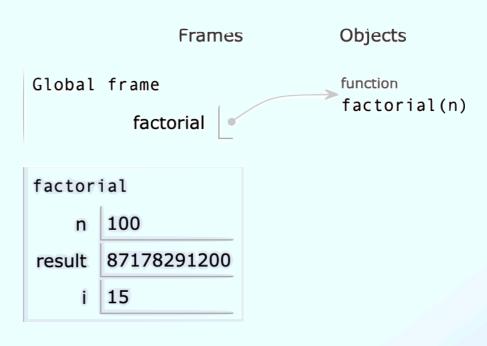
>>> both_odd(-1, 1)
True
>>> both_odd(2, 1)
False

return(a)and(b)% 2 == 1)# You can replace this line!

Factorial Lab01

```
def factorial(n):
    if n==1:
        return 1
    else:
        return n*factorial(n):
        result=1
        for i in range(1,n+1):
        result=result*i
        return result
```

Objects Frames Global frame function factorial(n) factorial Factorial Lab01 factorial n 100 factorial n 99 factorial n 98 factorial n 97 oug factorial n 96 factorial n 95 factorial n 94 factorial n 93



Number of 9 / Min Digit Lab01

- How to get digits of a number
- x%10, x=x//10
- x%2, x=x//2

A Sub Abs B

Hw01

```
from operator import add, sub, mul, neg
def a_sub_abs_b(a, b):
  """Return a-abs(b), but do not call abs.
 >>> # a check that you didn't change the return statement!
 >>> import inspect, re
 >>> re.findall(r'^\s*(return .*)', inspect.getsource(a_sub_abs_b), re.M)
  ['return h(a, b)']
 if b >= 0:
   h=
 else:
   h =
 return h(a, b)
```

If Function vs Statement Hw01

```
def if_function(condition, if cond:
true_result, false_result): a()
if condition: else:
return true_result b()
else:
return false_result
```

if function(cond, a(), b())

Double Ones Hw01

• Return true if n has two ones **in a row**.

Questions are welcome