

Counting Primes

Ohiz Ojo

September 22, 2015

On this assignment, we were asked to use Python to differentiate between prime and composite numbers. I will be explaining how to do this below.

USING PYTHON TO DIFFERENTIATE BETWEEN PRIME AND COMPOSITE NUMBERS

```
a=4
b="prime"

for x in range (2,a):
    if a%x==0:
        b="composite"

print "the number is "+b

a=4
b="prime"

for x in range(2,a/2+1):
    if a%x==0:
        b="composite"
        break
print "the number is "+b
```

the number is composite



Figure 1: This is a margin figure. Here is where you put the caption for your margin figure.

First you enter "a" equaling to any number of your choosing and "b" being "prime". Then you set the range from 2 to a and if the number chosen on top can be divided by two without any remainder, "b" would be composite, if not "b" would be prime. Below the first method is a more efficient method a computer would understand better.

This indicates the output of your program.

REFERENCES