

# An Assignment Template

Jin Gan

September 22, 2015

The assignment is about how to determine if a number is prime or composite. We begin with setting up a number as "a" and a string "prime" as b. Then set up the range, which is 2 to the half of the number, making it quicker and easier to calculate because there's no number in the second half range could be a factor of integer. And set the condition if a / x=0, which alludes to the situation that a is composite. Type in b="composite" and break, so that the calculation would automatically stop when the result fits "composite". And at last, use "print the number is composite" as the program output. (A relatively easy one, âL'gâŰjâL'ç) / )

## COMMAND LINE STUFF

This is how you can represent things you are entering into the command line terminal. Note the use of the dollar sign like the terminal has.

```
$ git pull -u origin master
```

IBM.jpg

Figure 1: The picture is about the old large computer in the last century, when it was just invented for not long .

## REPRESENTING PYTHON CODE IN YOUR ASSIGNMENT

```
a=15
b="prime"

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

It should be one of the simplest forms of to solve this problem. My method originally on python was to use the "true or false" statement, but don't know why the syntext was wrong.

The output of the program.

the number is composite

## REFERENCES