

Prime or Composite number software in Python

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This paper outlines a software that differentiates between prime and composite numbers.



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
```

This is a margin note you can use to comment on what you are doing in the command line.

REPRESENTING PYTHON CODE IN YOUR ASSIGNMENT

```
a=21
b="prime"

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

a is the number in question, whereas b is the status of that number, whether it is composite or prime. b starts as prime, however if the number turns out to be composite according to the calculations b would change to composite.

```
the number is composite
or
the number is prime
```

This is the output of the program.

REFERENCES