

# *A prime detector*

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This is a code of python to recognize if a number is prime number

## COMMAND LINE STUFF

Here are the explanation of the lines

"for x in range(2,a)" can find the factors which bigger than 2 of the number you input.

"if a%x==0" finds out if the number's factor can divide it evenly.

If so we set b="composite"

Then we print the state of the number.

## THE PYTHON CODE

```
a=5
b="prime"
for x in range(2,a):
    if a%x==0:
        b="composite"
else:
    print "The number is "+b
```

The number is prime



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

There are different ways to do it, this is one of all.

A basic prime detector.

This indicates the output of the program.