

Finding Primes

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This program identifies prime and composite numbers. It is written in Python 2.7.



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

THE PYTHON CODE

```
#specify the variable "a"
a=21
#set the initial state b of the output to "prime"
b="prime"

#run a for loop to test possible factor of the variable a
#if a factor is found then the state is changed to composite
for x in range(2,a/2+1):
    if a%x==0:
        b="composite"
        break
#print the state of a
print "the number is "+b
```

This program will output one of two strings.

the number is composite

This indicates the output of your program.

REFERENCES