Prime Numbers

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With this Project we have managed to write a code that determines if a number is a Prime number or not.

PYTHON CODE: PRIME NUMBER OR NOT ?

```
a=21
b="prime"

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

The code determines whether the number is prime or not (here: 21). It takes the number(21) and devides it by "2" and then it checks if there are any fractions and if there are none then it prints the default "b". If there are fractions it prints the new "b" (composite)

OUTPUTS

```
the number is prime
```

This indicates the output of your program. If the program prints "the number is prime" then you know that the number you put in is Prime. But if it prints "the number is composite" then you know it's not a prime number