

Finding Primes

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The code or solution (IDLE) finds primes or compounds with the use of coding. We can achieve this by using a for loop and/or a range. This method is very efficient and precise using only two variables a and b. Note that you can always change the variable for a bigger range etc.



Figure 1: Computers can do almost everything

Below we can observe how the prime detector works something that can be seen as a simple method of finding if a big number is prime or composite. Something that can be hard for us to do. However, it's not hard for Python.

Something complex but simple.

REPRESENTING PYTHON CODE

```
a=5
b="prime"

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

The Basic steps

The number is prime

This demonstrates the outcome of your problem