Python sample code:

```
1 import itertools
def iter_primes():
        # an iterator of all numbers between 2 and +infinity
        numbers = itertools.count(2)
5
6
        # generate primes forever
        while True:
            # get the first number from the iterator (always a prime)
9
            prime = numbers.next()
10
             yield prime
11
12
            # this code iteratively builds up a chain of
13
            # filters...slightly tricky, but ponder it a bit numbers = itertools.ifilter(prime.__rmod__, numbers)
14
15
16
for p in iter_primes():
       if p > 1000:
18
           break
19
     print p
20
```