

Untitled

April 7, 2023

```
[14]: def primes():  
    num=2  
    while num<1000:  
        for i in range(2,num):  
            if num % i ==0:  
                break  
        else:  
            yield num  
        num += 1  
prime_generator = primes()  
for i in range(20):  
    print(next(prime_generator))
```

2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
71

```
[ ]:
```

```
[43]: list1=[2, 4, 6, 8, 10, 12, 14, 16, 18, 20]
```

```
[45]: for x in list1:
      if list1.index(x) <= 4:
          print(x)
```

2
4
6
8
10

```
[46]: l.index(2)
```

```
[46]: 0
```

```
[47]: l.index(16)
```

```
[47]: 7
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```

```
[ ]:
```