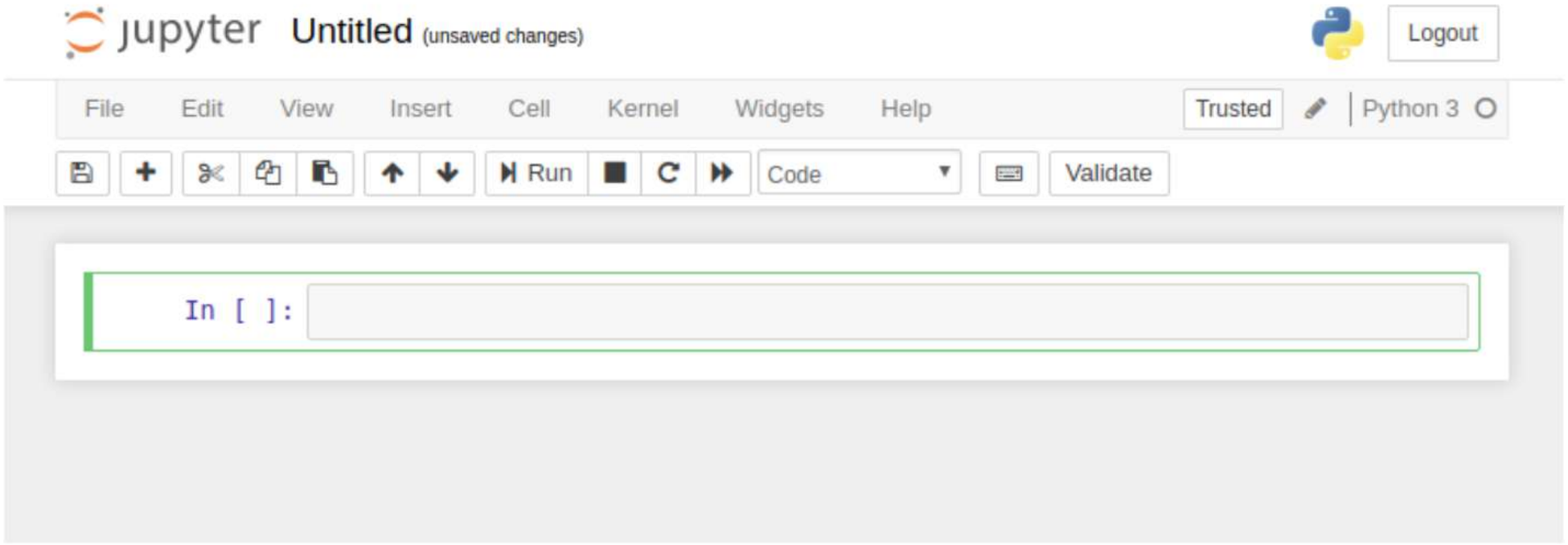
Working with Jupyter Notebook

Directory of notebooks

Creating a new notebook



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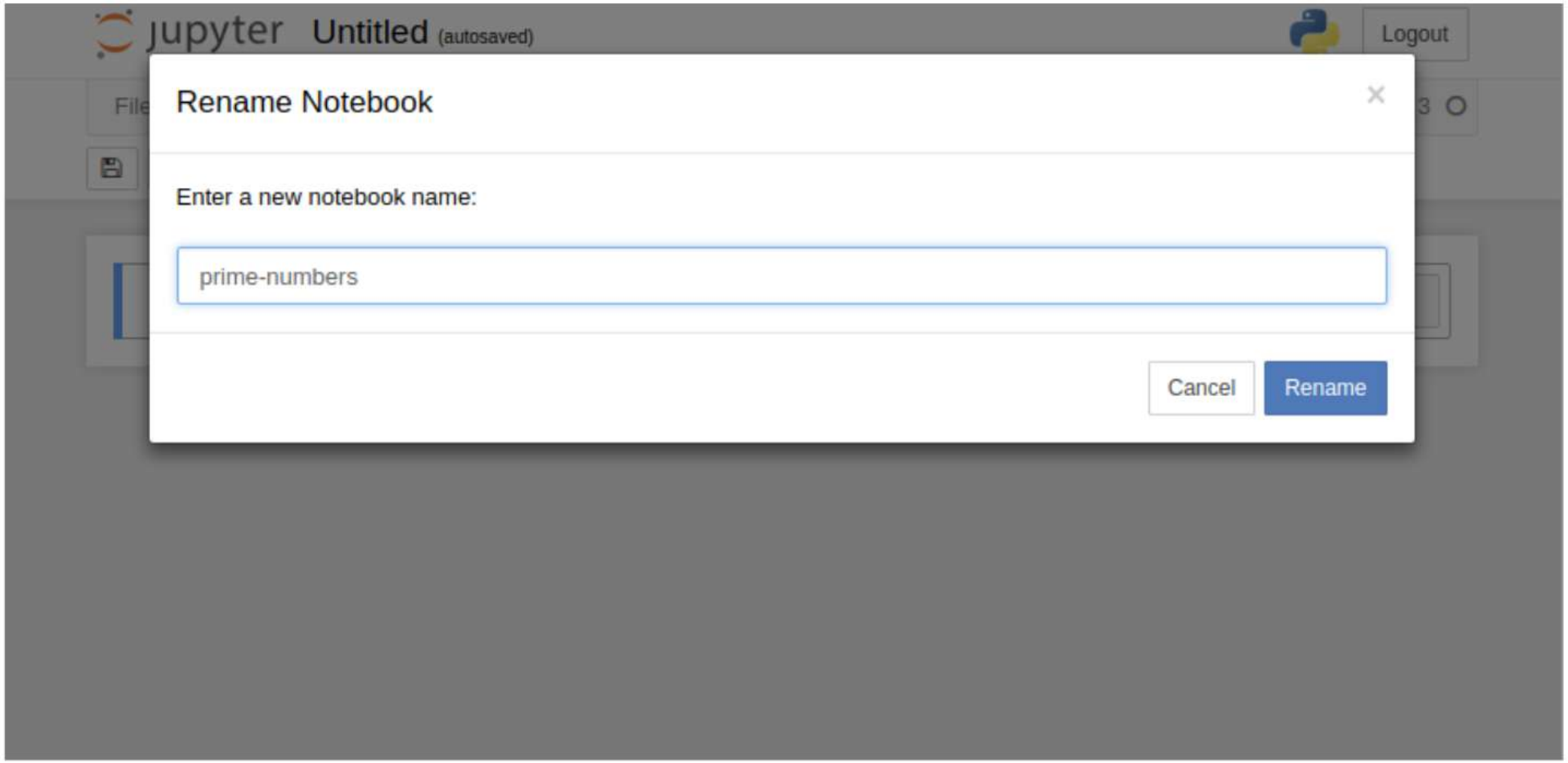
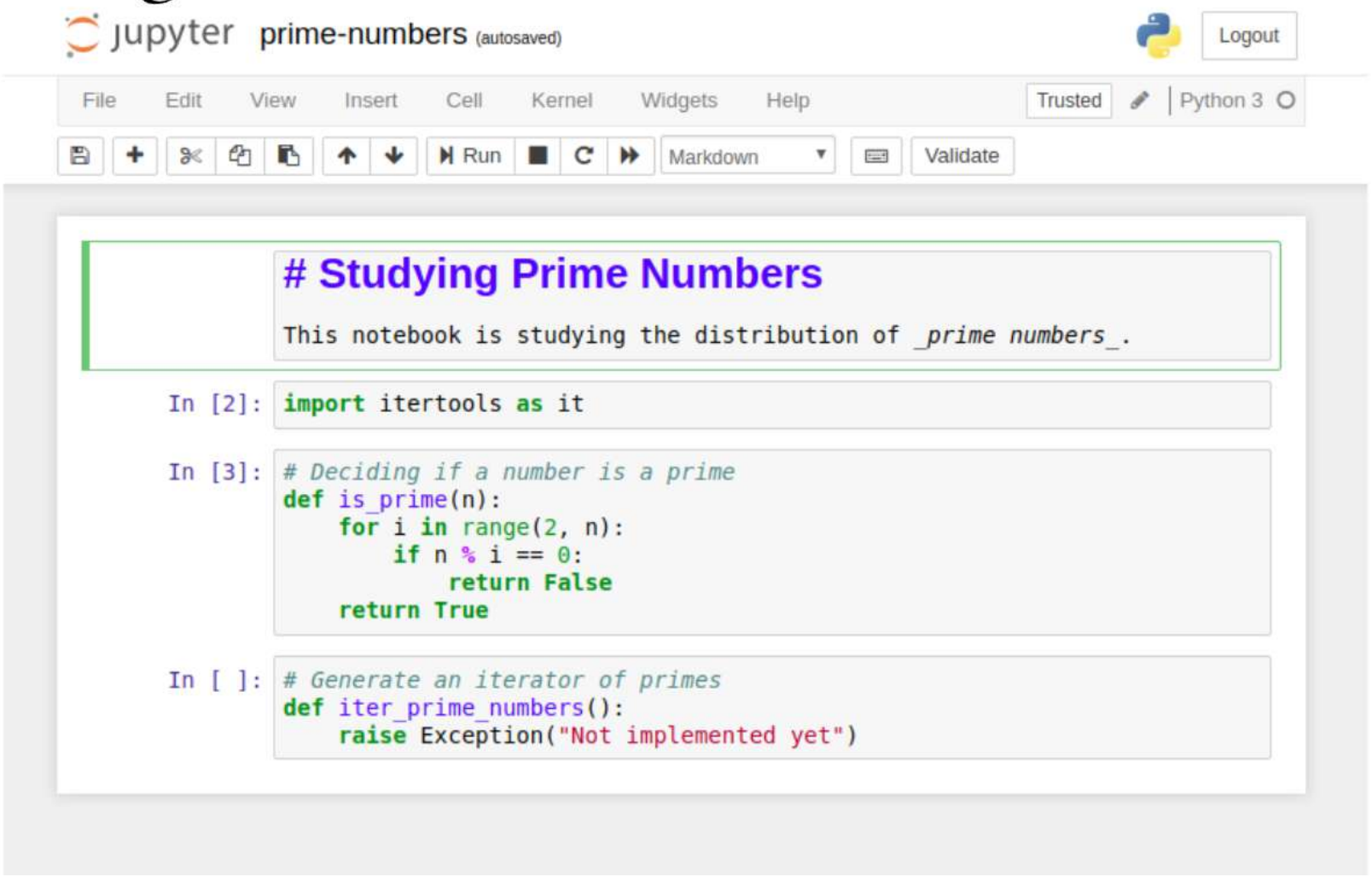
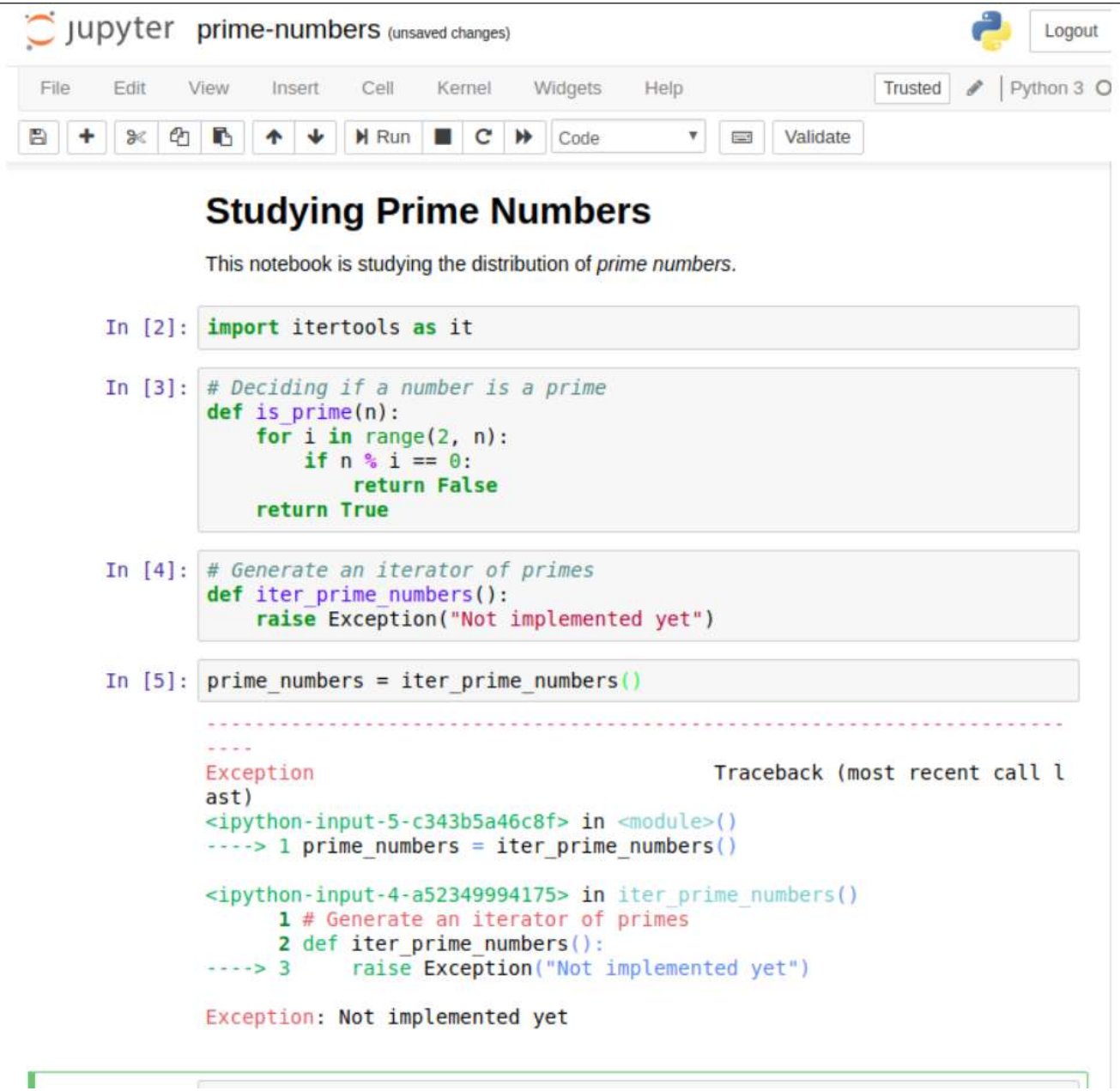


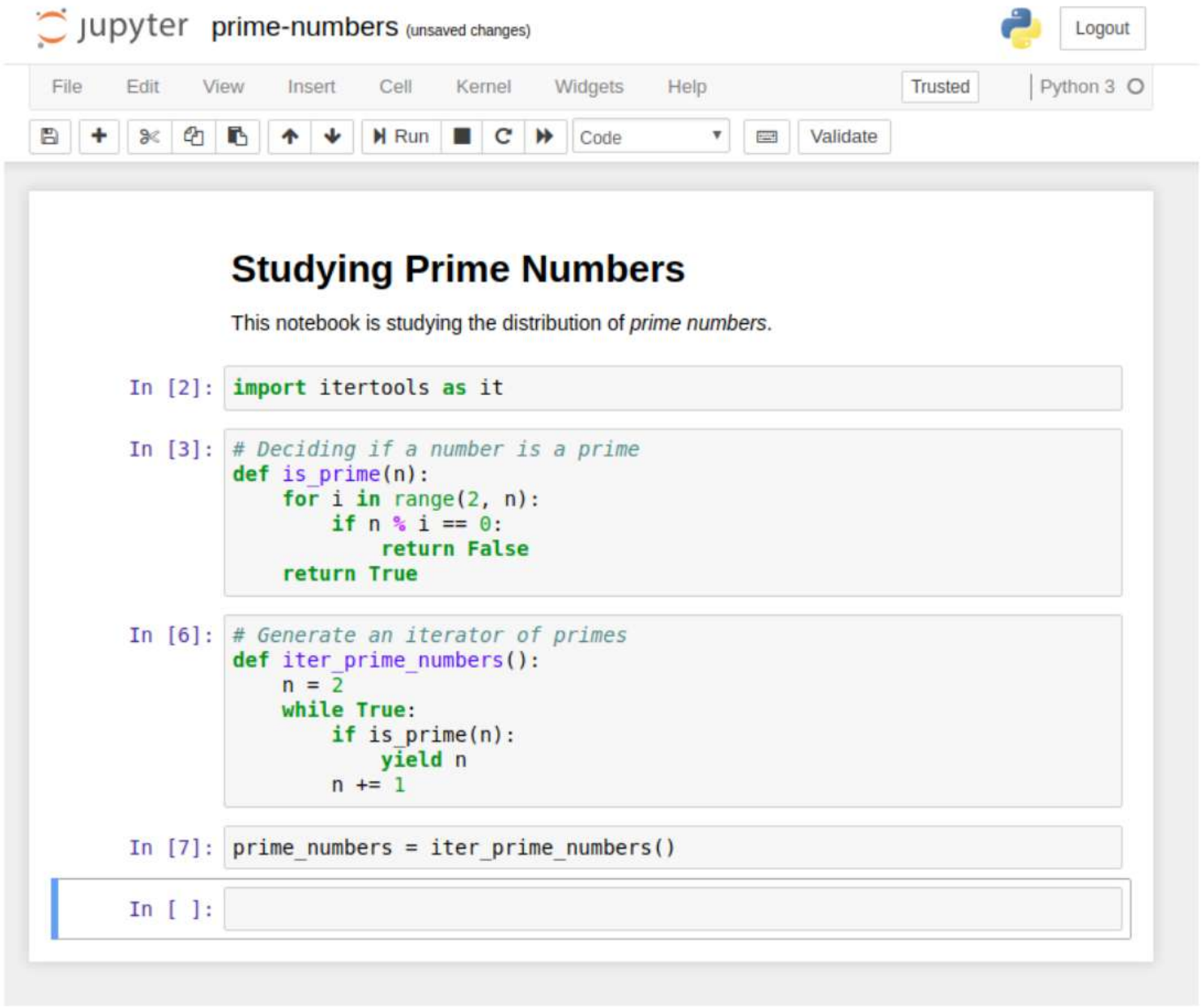
Creating cells



Evaluation


jupyter prime-numbers (unsaved changes)
Logout
File Edit View Insert Cell Kernel Widgets Help
Trusted
Python 3
Run
Code
Validate
Studying Prime Numbers
This notebook is studying the distribution of prime numbers.
In [2]:
import itertools as it
In [3]:
# Deciding if a number is a prime
def is_prime(n):
for i in range(2, n):
if n % i == 0:
return False
return True
In [4]:
# Generate an iterator of primes
def iter_prime_numbers():
raise Exception("Not implemented yet")
In [5]:
prime_numbers = iter_prime_numbers()
Exception Traceback (most recent call last)
<ipython-input-5-c343b5a46c8f> in <module>()
----> 1 prime_numbers = iter_prime_numbers()
<ipython-input-4-a52349994175> in iter_prime_numbers()
1 # Generate an iterator of primes
2 def iter_prime_numbers():
----> 3 raise Exception("Not implemented yet")
Exception: Not implemented yet

Evaluation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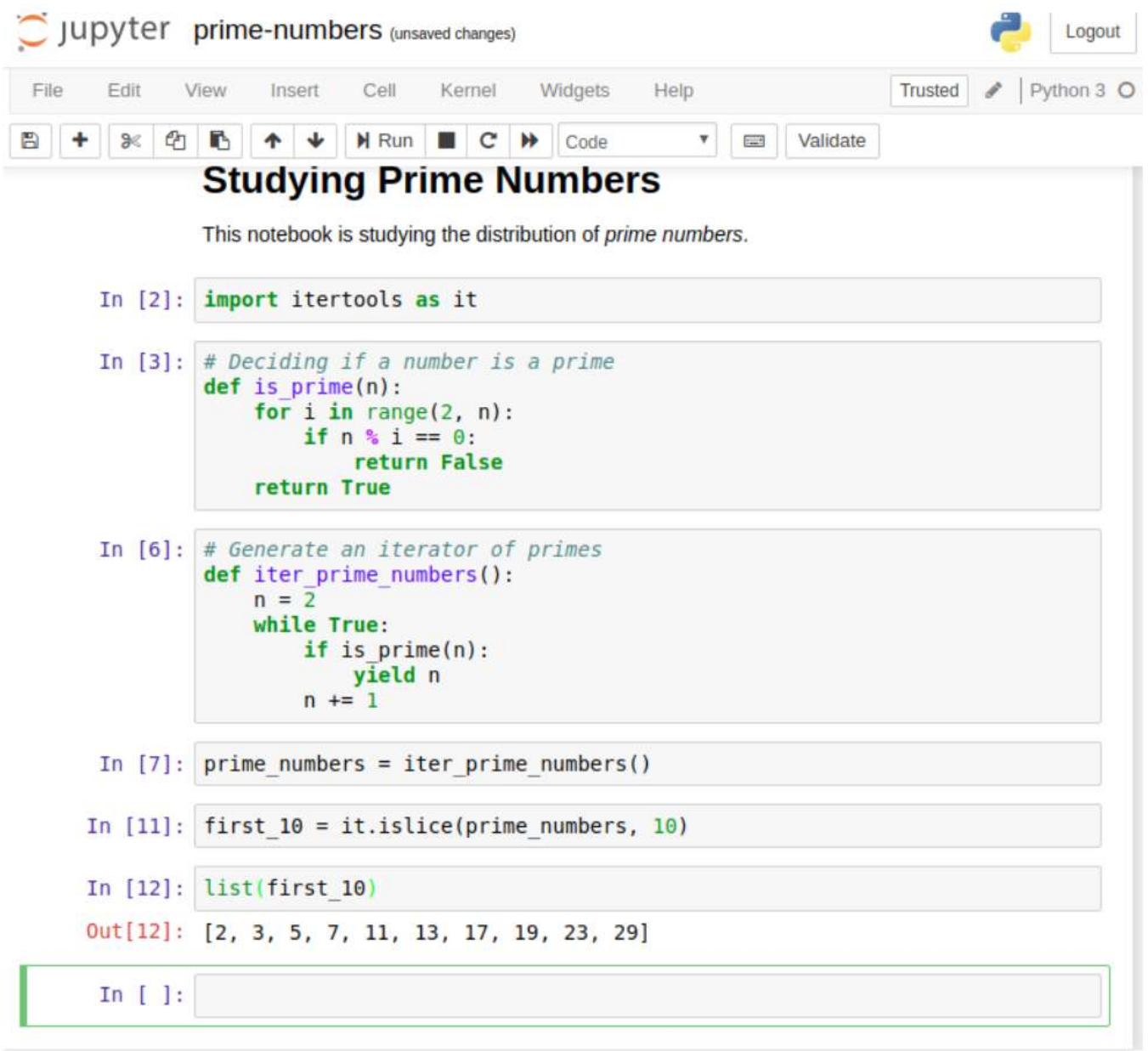
return True
In [6]:
# Generate an iterator of primes
def iter_prime_numbers():
n = 2
while True:
if is_prime(n):
yield n
n += 1
In [7]:
prime_numbers = iter_prime_numbers()
In [ ]:

Evaluation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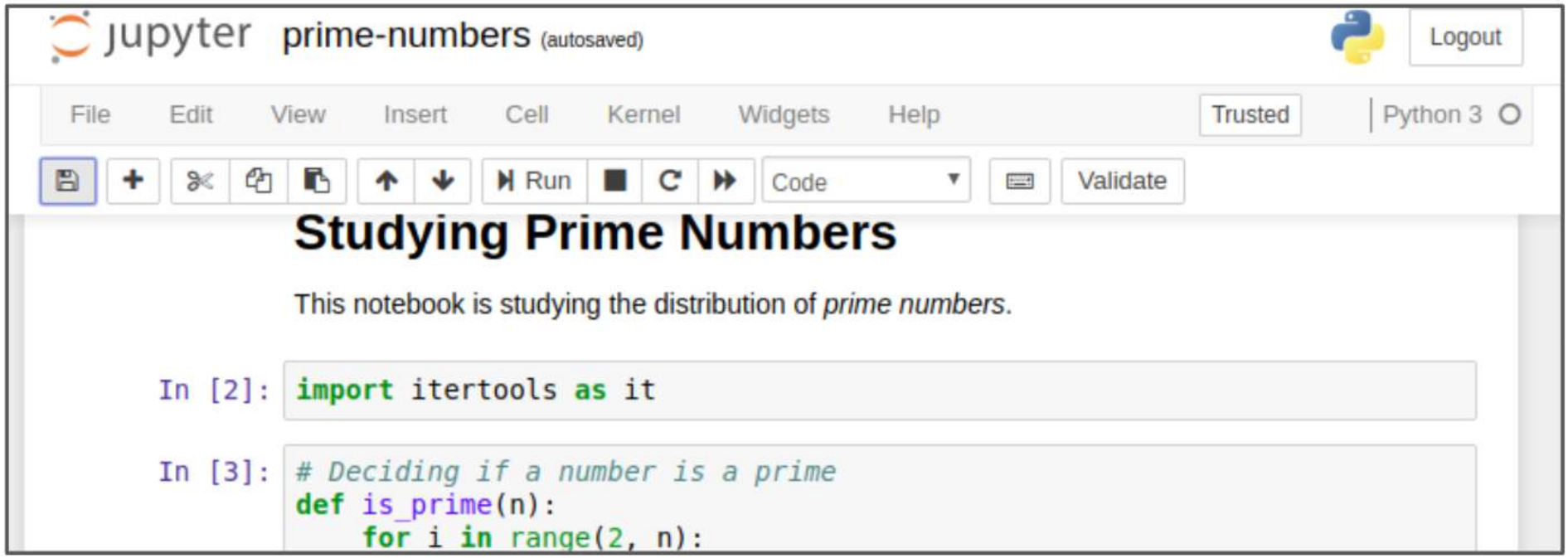
if is_prime(n):
yield n
n += 1
In [7]:
prime_numbers = iter_prime_numbers()
In [11]:
first_10 = it.islice(prime_numbers, 10)
In [12]:
list(first_10)
Out[12]:
[2, 3, 5, 7, 11, 13, 17, 19, 23, 29]
In [ ]:

Don't forget to save



Don't forget to save