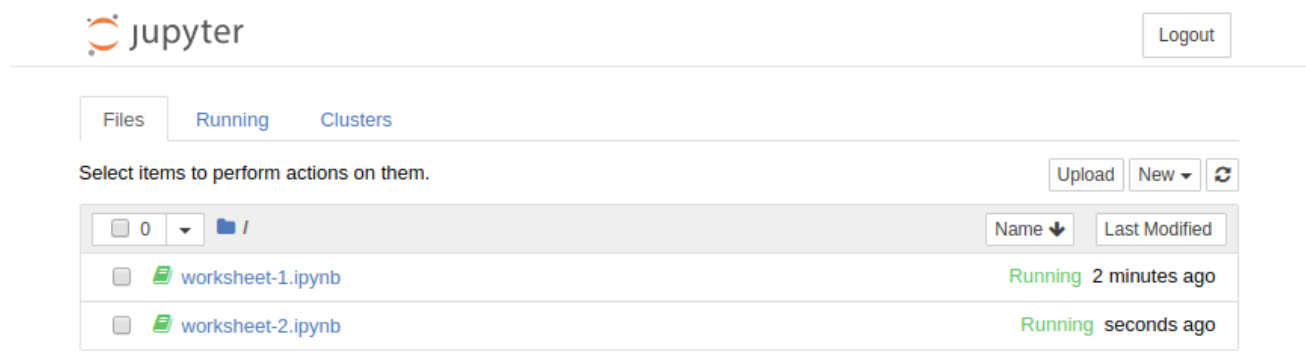


Working with Jupyter Notebook

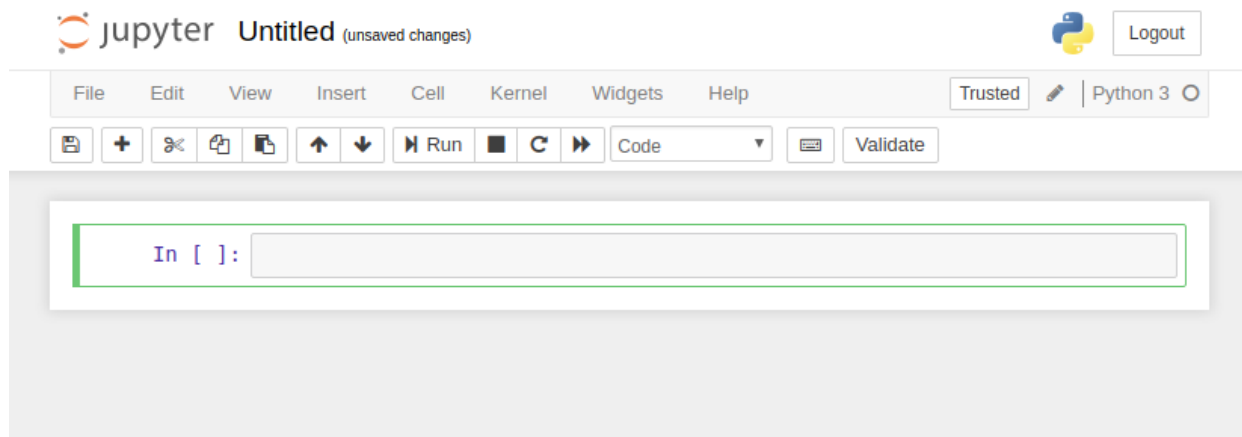
Directory of notebooks



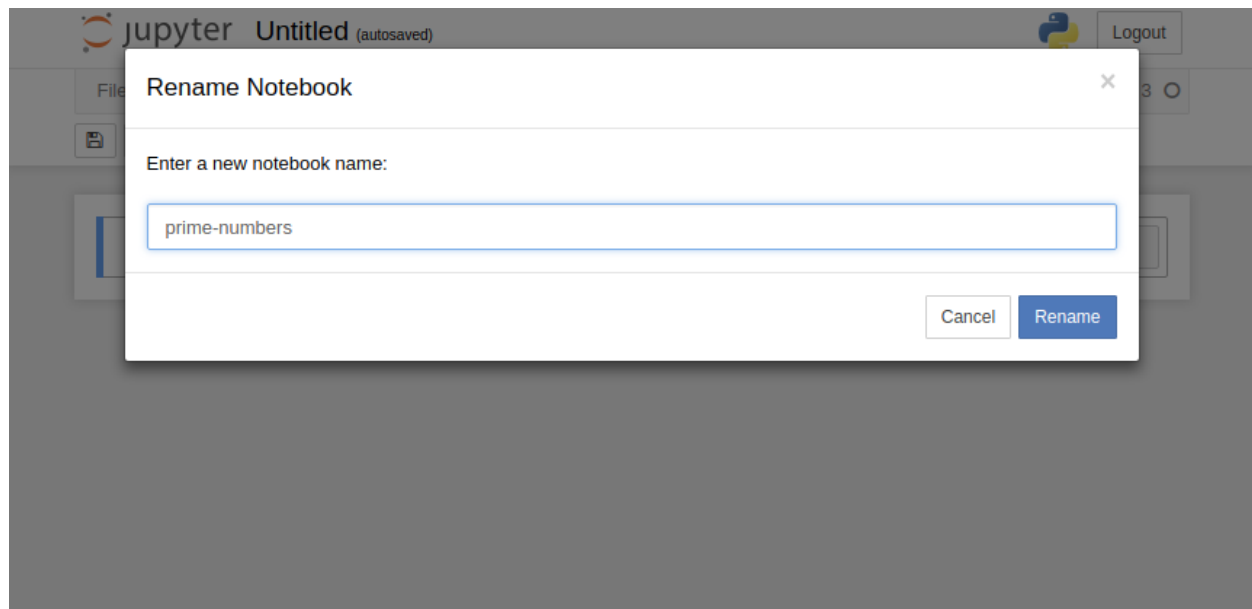
The screenshot shows the Jupyter Notebook web interface. At the top left is the Jupyter logo and the word "jupyter". At the top right is a "Logout" button. Below the header, there are three tabs: "Files", "Running", and "Clusters". The "Files" tab is selected. Below the tabs, there is a message "Select items to perform actions on them." and buttons for "Upload", "New", and a refresh icon. Below this, there is a table of files. The table has two columns: "Name" and "Last Modified". The table contains two rows of files, both named "worksheet-1.ipynb" and "worksheet-2.ipynb". Both files are in the "Running" state and were last modified "2 minutes ago" and "seconds ago" respectively.

Name	Last Modified
worksheet-1.ipynb	Running 2 minutes ago
worksheet-2.ipynb	Running seconds ago

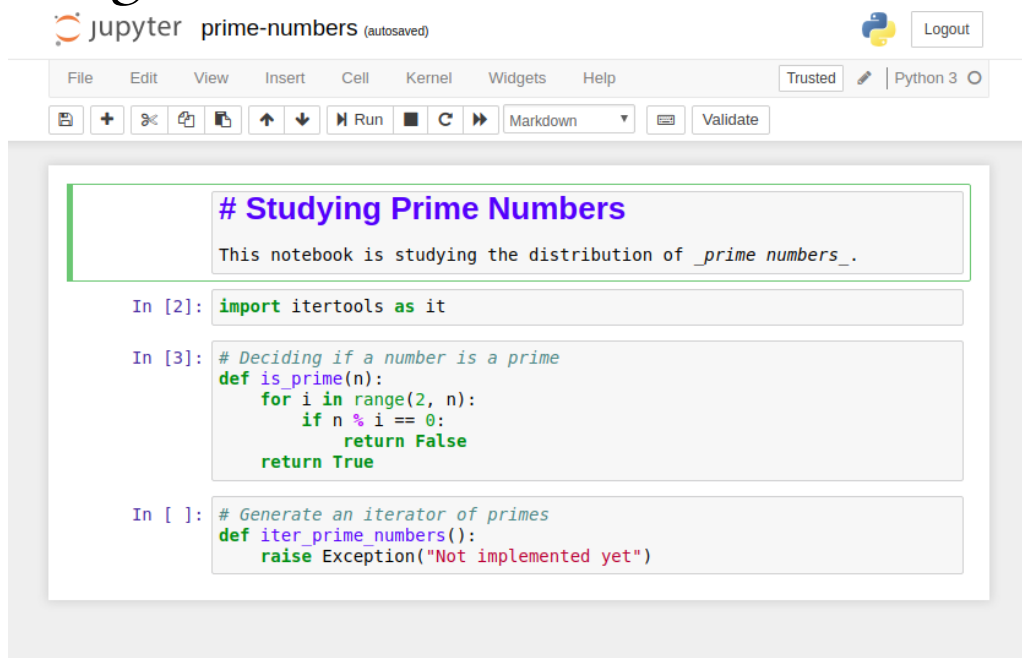
Creating a new notebook



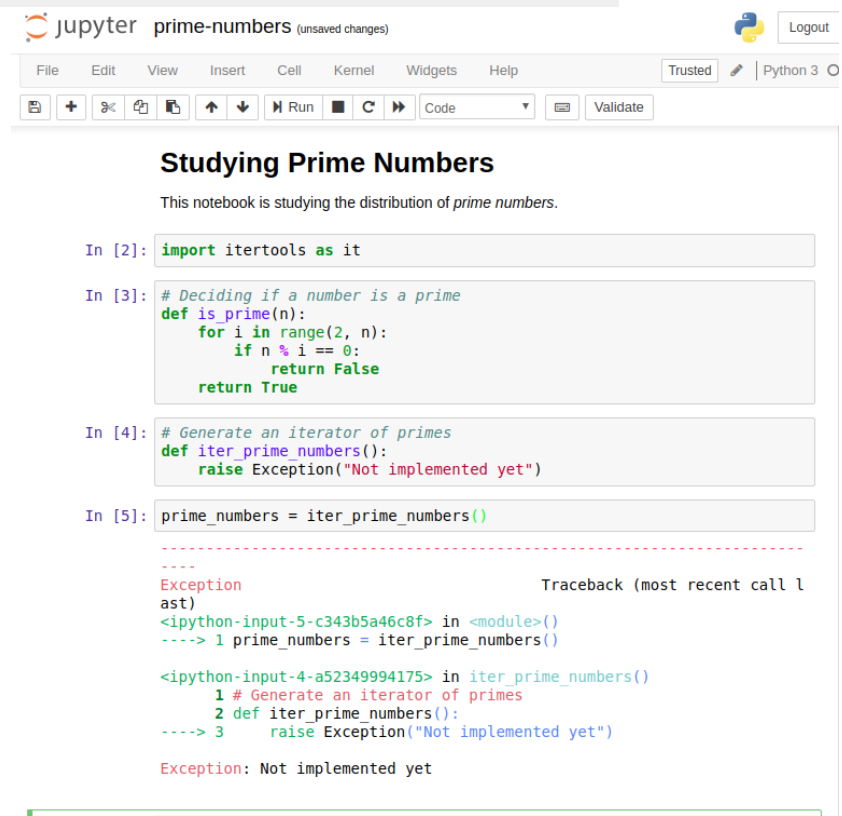
Creating new notebook



Creating cells



Evaluation



Evaluation

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 [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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```

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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

