Learning Python with Jupyter

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Context

We will be using Jupyter to help show people who are learning python by having it run in a web browser

Prerequisites

- Python 3.7 or
- Anaconda Distribution (Reccomended)
- A python file with edit permissions

Jupyter uses the Anaconda Distribution but because it is created with python it will work with the python command line interface.

Installation

- Python 3.7
  Run the Following Commands:

```
python3 -m pip install --upgrade pip
python3 -m pip install jupyter
```

Python 2 is supported but not recommended. Python 2 commands are as follow:

```
python -m pip install --upgrade pip
python -m pip install jupyter
```

- Anaconda
  Run the Installer that was downloaded.
  All defaults are fine, feel free to change the path if needed.

Instructions

1. Running Jupyter.
   In order to start Jupyter, you will need to launch it from the Terminal or Command Prompt by running the following command:

   ```
   jupyter notebook
   ```

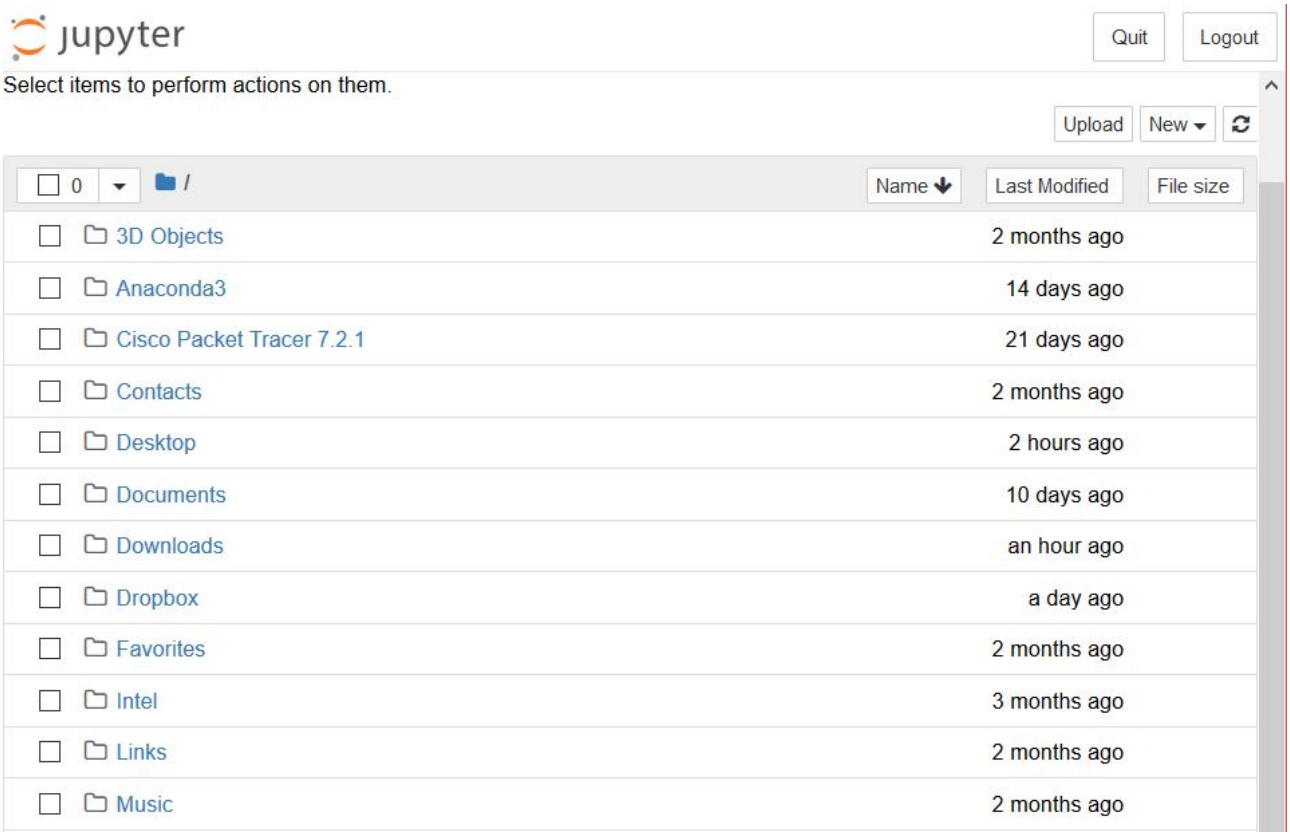
2. Running Jupyter Notebooks.

Once launched, you will need to open a web browser and go to one of the links specified in your cmd/terminal.

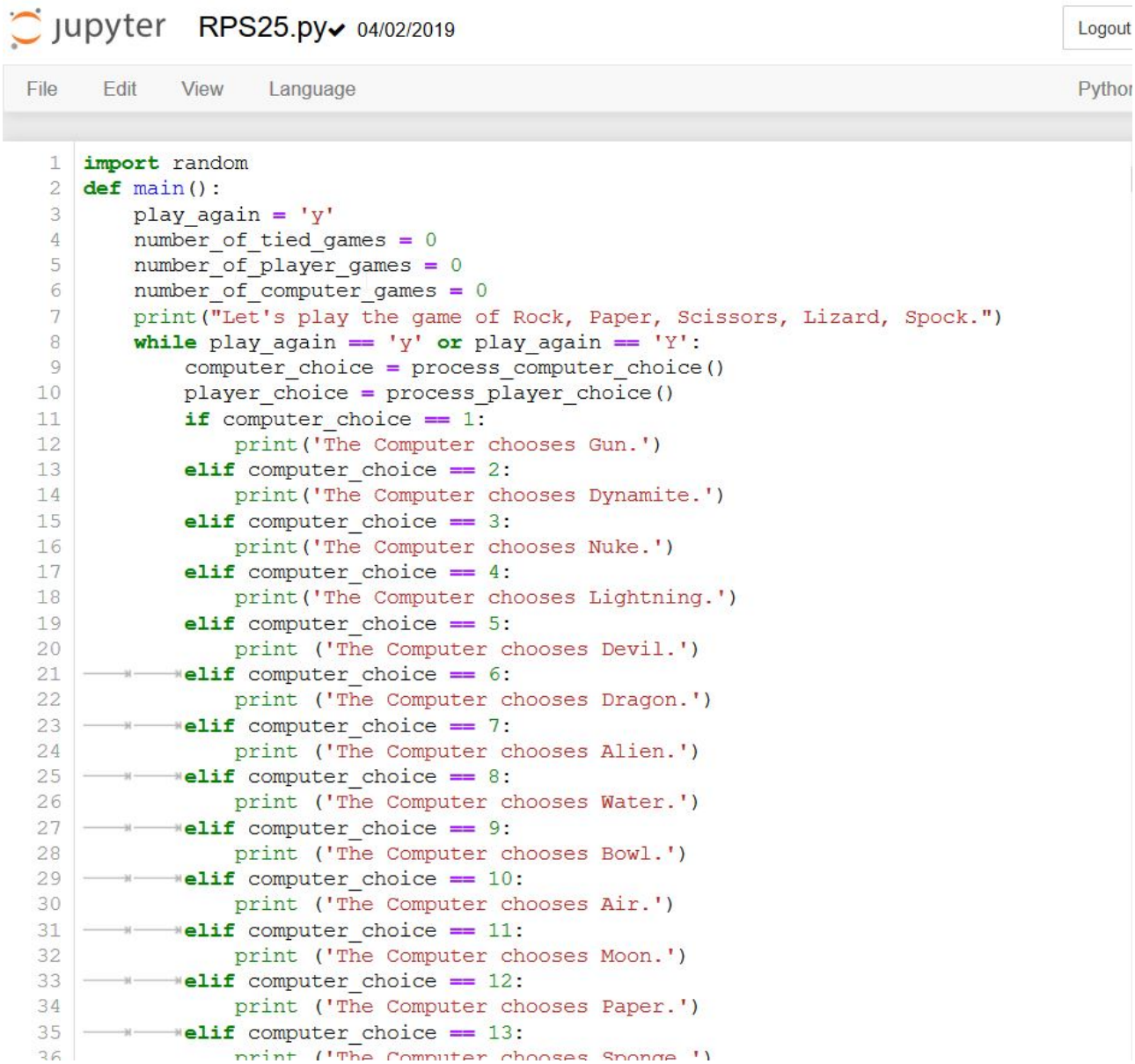
```
[C 11:50:03.770 NotebookApp]

    To access the notebook, open this file in a browser:
        file:///C:/Users/rjparks/AppData/Roaming/jupyter/runtime/nbserver-764-open.html
    Or copy and paste one of these URLs:
        http://localhost:8888/?token=4512496c412309f2f79dd2e47fa6fefe1531fb92cdc6d3b3
```

here is an example of what you should see when it is launched.



3. Using the Notebook.
   Once Launched, navigate your C:\\ folder to locate a python file.
   And open it.



4. Editing with Jupyter Notebooks.
   Once opened, you can edit your source code right in the interface.

Reflection

Provide some thought questions that help the learner make sense of how the tutorial fits in the bigger picture.