ECE 4016 Assignment 1 README

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System Info

```
> echo $CONDA_PREFIX
/home/shitianhao/.conda/envs/ece
> python --version
Python 3.9.18
```

As can be seen from the above screenshots, the current system is Ubuntu 20.04 and the Python version is 3.9

Execution Specification

- 1. cd into the directory of server.py
- 2. (optional) activate conda environment
- 3. Start the server and specify a flag with --flag or -f
 - 0 means querying the public DNS server
 - 1 means iterative querying from the root server
- 4. If the server is running correctly, you will see

```
DNS server is listening on 127.0.0.1:1234
```

5. Open a new terminal window and use the dig command

Execution Results

1. Testing fetching from Public Server



2. Fetching from Root server



3. Implementation of Cache

