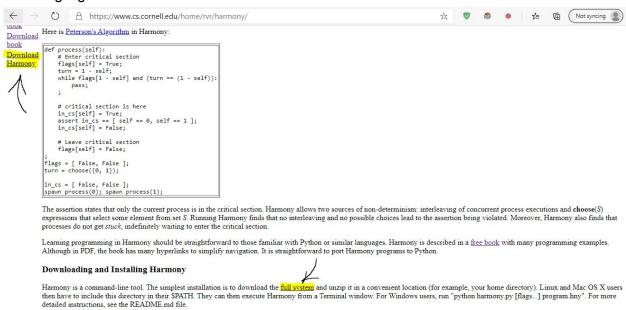Step 0: Install Python 3
(You can verify your Python version by running "python --version" in Command Prompt. Please note that Python 3.5.2 is not the latest version, so if you just installed Python 3, the version number is likely different.)

```
C:\Users\Sophia Li>python --version
Python 3.5.2
```

Step 1: Download Harmony
Download Harmony from the Harmony website: https://www.cs.cornell.edu/home/rvr/harmony/
Either highlighted links should work.

Step 2: Unzip Harmony in a convenient location, and change directory into that location

```
C:\Users\Sophia Li>cd Downloads

C:\Users\Sophia Li\Downloads>cd harmony-0.9

C:\Users\Sophia Li\Downloads\harmony-0.9>cd harmony-0.9

C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9>
```

Step 3: Test it out by running the Peterson's Algorithm in Harmony found on the Harmony website
"python harmony.py Peterson.hny"

```
C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9>python harmony.py Peterson.hny
#states = 96 diameter = 4

#components: 82
no issues found
Open file://C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9/harmony.html for more information
```

(You can also put your code elsewhere and then use relative or absolute path)

(Relative path: "python harmony.py example\Peterson.hny")

(Absolute path: "python harmony.py D:\\harmony-0.9\example-2\Peterson.hny")

```
C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9>python harmony.py example\Peterson.hny
#states = 96 diameter = 4

#components: 82
no issues found
Open file://C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9/harmony.html for more information
```

```
C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9>python harmony.py D:\\harmony-0.9\example-2\Peterson.hny
#states = 96 diameter = 4

#components: 82
no issues found
Open file://C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9/harmony.html for more information
```

Step 4: Try running Harmony with flags

For example, you can run the textbook example at the end of Chapter 2 as follows:

"python harmony.py -c N=100 example\triangle.hny"

```
C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9>python harmony.py -c N=100 example\triangle.hny
#states = 103 diameter = 1

#components: 103
no issues found
Open file://C:\Users\Sophia Li\Downloads\harmony-0.9\harmony-0.9/harmony.html for more information
```