

# CSCI 544 Assignment 3

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How to run python file:

When all your train, test and dev files are in the same folder as python file then following command is sufficient to run the python file

```
python csci544_ass3.py
```

When files are in different folder, we need to pass file paths in the argument :

```
python csci544_ass3.py -train {train_path} -test {test_path} -dev {dev_path}
```

This file outputs number of files:

1. greedy\_dev.out - Dev predictions for greedy algorithm
2. greedy.out - Test predictions for greedy algorithm
3. viterbi\_dev.out - Dev predictions for viterbi algorithm
4. viterbi.out - Test predictions for viterbi algorithm
5. hmm.json - Transition and emission probability dictionary json output
6. vocab.txt - vocab file

To get greedy dev accuracy run:

```
python eval.py -p greedy_dev.out -g {dev_path}
```

To get greedy test accuracy run:

```
python eval.py -p greedy.out -g {test_path}
```

To get viterbi dev accuracy run:

```
python eval.py -p viterbi_dev.out -g {dev_path}
```

To get viterbi test accuracy run:

```
python eval.py -p viterbi.out -g {test_path}
```