

## Command to run the python code

```
1 python main.py <uai_file_name> <evidence_file_name>
```

### Please run the codes in python 3

For example to run the algorithm on 1 dataset, you can run the following code on the command prompt.

```
1 python main.py homework2_files\1.uai homework2_files\1.uai.evid
```

The dataset can be in any folder, but please give the correct directory in the command. (I have put my files in homework2\_files.

### Now let us elaborate on the command line parameters for the code:-

- **<uai\_file\_name>**  
Please provide the file that will be used as the .uai file
- **<evidence\_file\_name>** Please provide the file that will be used as the uai.evid file

### These are the modules/imports required for the code:-

```
1 import sys
2 import warnings
3 from math import log10, exp
4 import numpy
```

These are the modules that need to be installed on the devices on which the code is run. Please install all these before running the code.