Deploy Code For Testing

Capstone Step 8

Process

There are 2 primary steps to this ETL:

1) Run python script to batch upload all files to Azure Data Lake containers:

```
python uploadtoblob.py 2000
```

2) Run pipelines in Azure Data Factory to copy data from blob input to MySQL table output

I wrote 4 test cases (2 tests x 2 tables - details + fatalities)

-1 test to verify that all available files from source have been uploaded to blob

-1 test to verify that every line from source files have been copied over to MySQL tables

All Tests Pass

```
conner@Linuxclevo:~/SevereWeatherDB/Step8$ pytest -v runtests.py
============================= test session starts ==============================
platform linux -- Python 3.10.5, pytest-7.1.2, pluggy-1.0.0 -- /usr/local/bin/python3
cachedir: .pytest_cache
rootdir: /home/conner/SevereWeatherDB/Step8
plugins: anyio-3.6.1
collected 4 items

runtests.py::test_details_uploaded PASSED                                [ 25%]
runtests.py::test_fatalities_uploaded PASSED                             [ 50%]
runtests.py::test_details_count PASSED                                   [ 75%]
runtests.py::test_fatalities_count PASSED                                [100%]

============================== 4 passed in 12.16s ==============================
```