Exercise

Create an Airflow DAG to transform file formats.

Precondition:

There’s a table in a sqlite DB with the following columns:

* Source file path
* Source file format
* Target file path
* Target file format
* Status

The DAG must read from a sqlite DB all the records where Status is ‘P’ (pending) and do the following:

1. Update status to ‘S’ (started)
2. Transform the file in *<source file path>* from format *<source file format>* to format *<target file format>* and write the output to *<target file path>*
3. Update the status column to ‘C’ (completed) if transformation succeeded, or ‘F’ (failed) otherwise.

Supported formats: JSON, CSV

The solution must be uploaded to a github repository and grant read access to *damianmontenegro-upwork* user.

Submit your solution as if it were a real-world task. It will be reviewed with the same strictness as regular code reviews within Upwork’s DPS team.

Provide an estimation and a deadline so we can coordinate a code review together.

Add comments for any question/doubt you have, or reach me by email at damianmontenegro@cloud.upwork.com.

I’m usually available from 1pm to 9pm UTC.