Step 2 - Database Engineering

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```
In [1]:  import pandas as pd
         import numpy as np

         from sqlalchemy import create_engine
         from sqlalchemy.ext.declarative import declarative_base
         Base = declarative_base()
         from sqlalchemy import Column, Integer, String, Float
```

```
In [2]:  # load CSV file into a variable
         cleanMeasurements_file = "Resources/clean_hawaii_measurements.cs
         v"
         cleanStations_file = "Resources/clean_hawaii_stations.csv"

         #load CSV file data in a dataframe
         dfMeasurements = pd.read_csv(cleanMeasurements_file)
         dfStations = pd.read_csv(cleanStations_file)
```

```
In [3]:  dfMeasurements.head()
```

Out[3]:

	station	date	prcp	tobs
0	USC00519397	2010-01-01	0.080000	65
1	USC00519397	2010-01-02	0.000000	63
2	USC00519397	2010-01-03	0.000000	74
3	USC00519397	2010-01-04	0.000000	76
4	USC00519397	2010-01-06	0.160644	73