### **Create and Load Measurements Table**

```
In [2]: def create_measurements_table(conn):
        sql = """
        CREATE TABLE IF NOT EXISTS measurements (
           visit id integer NOT NULL,
            person_id text NOT NULL,
            quantity text,
            reading real,
            FOREIGN KEY (visit_id) REFERENCES visits (visit id),
            FOREIGN KEY (person_id) REFERENCES people (people_id)
       c = conn.cursor()
       c.execute(sql)
    def load_measurements_table(conn):
       create_measurements_table(conn)
        df = pd.read_csv('C:/Users/vahin/OneDrive/Documents/GitHub/dsc650/data/external/tidynomicon/measurements.cs
       measurements = df.values
       c = conn.cursor()
        c.execute('DELETE FROM measurements;') # This ensures to delete data if exists
        c.executemany('INSERT INTO measurements VALUES (?,?,?,?)', measurements)
```

## **Create and Load People Table**

```
In [3]:
   def create_people_table(conn):
        sql = """
        CREATE TABLE IF NOT EXISTS people (
            people_id text NOT NULL,
            personal_name text,
            family_name text
            );
        c = conn.cursor()
        c.execute(sql)
    def load people table(conn):
        create people table (conn)
        df_people = pd.read_csv('C:/Users/vahin/OneDrive/Documents/GitHub/dsc650/data/external/tidynomicon/person.c
        people = df_people.values
        c = conn.cursor()
        c.execute('DELETE FROM people;') # This ensures to delete data if exists
        c.executemany('INSERT INTO people VALUES (?,?,?)', people)
```

## **Create and Load Sites Table**

#### **Create and Load Visits Table**

```
In [5]: def create_visits_table(conn):
        sql = """
        CREATE TABLE IF NOT EXISTS visits (
            visit_id integer PRIMARY KEY,
            site_id text NOT NULL,
            visit_date text,
            FOREIGN KEY (site_id) REFERENCES sites (site_id)
        11 11 11
        c = conn.cursor()
        c.execute(sql)
    def load_visits_table(conn):
        create_visits_table(conn)
        df_visits = pd.read_csv('C:/Users/vahin/OneDrive/Documents/GitHub/dsc650/data/external/tidynomicon/visited.
        visits = df_visits.values
        c = conn.cursor()
        c.execute('DELETE FROM visits;') # This ensures to delete data if exists
        c.executemany('INSERT INTO visits VALUES (?,?,?)', visits)
```

# **Create DB and Load Tables**

```
In [6]: db_path = results_dir.joinpath('patient-info.db')
conn = sqlite3.connect(str(db_path))
load_people_table(conn)
load_sites_table(conn)
load_visits_table(conn)
load_measurements_table(conn)
conn.commit()
conn.close()
```