**This program will allow the user to view gender pay ratios in the US and sort information by state and by year.**

**START**

**IMPORT SQL**

Establish **CONNECTION** to salary database

Create **CURSOR** to communicate with data

Ask user to **INPUT** the state they want to know about and assign to **VARIABLE**

**DEFINE** the select statement query as **VARIABLE**

Execute the **QUERY**

**IF** Query **NOT** in results

**PRINT** (“No data available”)

**GET** the set of results

**ITERATE** through the results for column/row values

**CLOSE** connection to database

Create **VARIABLE** called ‘gap’from disparity in salaries from results

**PRINT** variable for user to see wage ‘gap’

**RETURN** query

**END**

Program needs to be able to:

-pull information from the database

-have some form of user input in order to get a proper query

-sort through/query information based off user input (state and year)

-output information

Timeline for progress:

Set-up Github for version control by 4/15

research:

<https://pynative.com/python-mysql-select-query-to-fetch-data/>

<https://code.tutsplus.com/tutorials/database-handling-in-python--cms-25645>

<https://statusofwomendata.org/state-by-state-rankings-on-womens-and-mens-employment-and-earnings-2013/>