COMP3162
Lab 3

1. Using python and the mysql.connector library. Complete the following.
   a. Make sure to install the library using the following command `pip install mysql-connector-python`
   b. Make a connection to the database. The connection information is listed below.
      i. **Hos**t: database-comp3162.cqb8o27401uq.us-east-2.rds.amazonaws.com
      ii. **Port**: *3306*
      iii. **user**: *comp3162user*
      iv. **password**: *Password876*
      v. *Database: comp3162*
   c. Select all the information from the Patients database.
   d. Ensure to handle null values appropriately.
   e. Insert this information into a dataframe and convert this to a csv file.
2. **Using python and the requests library.**
   a. Make a GET request to the following URL http://universities.hipolabs.com/search?country=India to get all the universities in India
   b. Parse the returned JSON. You only need to extract the name and the state_province.
   c. Insert this information into a dataframe and convert this to a csv file.
3. **Using python and beautifulsoup**.
   a. Parse the following website https://books.toscrape.com/catalogue/category/books/mystery_3/page-1.html
      i. **Note there are two pages of mystery books so your code should handle that.**
   b. Get all the mystery books. Ensure you get the title of the book, the price and the review score e.g (1, 2, 3, 4, 5).
   c. Store all this information in a dataframe.
   d. Convert this dataframe to a csv.