ISDS 3107
Assignment 5: DB Connection & Functions
Due: 20 October 2020

Description
The goal of this assignment is to demonstrate the ability to connect with a database, define & use functions, and create a csv file.

Examples of these types of operations will be discussed in the book and lectures.

Requirements
Using an unmodified customer.sqlite file provided with the assignment, connect with the db, read the customer table, and transform the data to create a csv file with the customer id, customer full name, & age. Creation of the customer's full name and age **must use functions** and there must be a main function.

Grading
- Turn-in files via Moodle
    - python code file paws_id + '_assignment5.py' (jdavi48_assignment5.py) – 5 pts
    - create a global string variable (student_name) with your name – 5 pts
- Execution of your code creates output file
    - csv file named: paws_id + '_assignment5.csv' – 5 pts
    - file has "Customer ID", "Name", and "Age" columns - 5 pts
    - csv file contains 99 customer rows – 10 pts
- Python code connects to customer.sqlite database – 5 pts
- Python code properly closes the database connection – 5 pts
- Python code properly defines a main() function that calls the other functions – 10 pts
- Python code defines a function to create the customer's full name
    - function named "full_name" – 10 pts
    - takes input of two strings and returns a concatenation of the customer's first & last name separated by a space – 15 pts
- Python code defines a function to calculate the customer's age
    - function named "age" – 10 pts
    - takes input of date of birth as string ('1997-05-23') and returns the customer's age as an integer – 15 pts
- Minus 20 points for submitting broken code. Do not submit code that runs with errors.