Assignment Project Exam Help
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Your boss wants you to import some CSV data into a database so all the analysts can process the data. The 2 files are:

- customers.csv that contains customer information
- activities.csv that contains daily user activities.
- 1. Please create a database called demo.db using sqlite3 with 2 tables named customers and activities respectively.
- 2. You should have a sqlite3. Connection object called conn
- 3. You should have a sqlite3. Cursor object called cursor
- 4. Boolean values should be stored as TEXT
- 5. You should follow the class example where no primary keys are set and we do not set default values.

Warning, do not close the connection in the cell below.

Hints:

 If you created the table incorrectly or want to run the CREATE TABLE command multiple times, you may have to use DROP TABLE {table} to erase the table first.

```
In [1]:
from glob import glob
import pandas as pd
fns = glob("./*.csv")
print(fns) Assignment Project Exam Help ['./customers.csv', //activities.csv']
### TEST FUNCTION: Iter preate to bowcoder.com
customers = pd.read_csv("customers.csv")
activities = pd.real Cactivities to powcoder
demo.db
conn=sqlite3.connect("demo.db")
cursor = conn.cursor()
NameError
                                         Traceback (most recent call last)
Cell In [1], line 6
     4 customers = pd.read_csv("customers.csv")
     5 activities = pd.read_csv("activities.csv")
---> 6 demo.db
      7 conn=sqlite3.connect("demo.db")
     8 cursor = conn.cursor()
```

Exploring the databases and tables¶

NameError: name 'demo' is not defined

- 1. Please use your cursor variable from above and write the SQL query that will return all the names of the tables in the demo. db database.
- 2. Please create a variable, tables, that is a list of strings where the string values are the table names (order does not matter).
- Please use tables to create a dictionary called schema. schema should have keys
 corresponding to the table names and values corresponding to the output from the SQL
 query PRAGMA table_info('{TABLE_NAME}')

```
### TEST FUNCTION: test_explore_db
# DO NOT REMOVE THE LINE ABOVE
In [4]:
```

Making some queries ¶

Please answer all of the following questions using SQL queries, there is no need to call fetchall(). We will use your query in the testing.

How many different users visited on "2022/01/02"? A visiting user is someone who has a row in the activities table. Please assign the SQL query, as a string, to a variabled called query1. In [5]:

```
### TEST FUNCTION: test_sql1
# DO NOT REMOVE THE LINE ABOVE
query1 = """
"""
In [6]:
```

Making some queries¶

How many different subscribers visited on "2022/01/02"? Please assign the SQL query, as a string, to a value of the pin 'customer' and use JOIN

```
In [7]:
### TEST FUNCTION: Left FOL2 / powcoder.com

query2 = """
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In [8]:
```

Makeing some queries¶

For each day, please calculate, in the following order:

- · the date
- · the number of unique visitors
- · the total pageviews across all users
- the total likes across all users
- the total writes across all users
- the total activities across all users, total activities = total pageviews + total likes + total writes.

Please assign the query the answer to a variabled called query3.

```
SUM(activities.pageviews),
SUM(COALESCE(activities.like,0)),
SUM(activities.writes),
SUM(COALESCE(activities.pageviews,COALESCE))
From activities
GROUP BY date

"""
output=cursor.execute(query).fetchall()
output
In [10]:
```

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