






VERIFICATION LIST BEFORE RUNNING THE PYTHON SCRIPT

I. Ensure “Resources” folder contains Hawaii.sqlite

sqlalchemy-challenge > Resources					Search Resources
Name	Status	Date modified	Type		
 hawaii.sqlite	✖	5/1/2023 10:57 PM	SQLITE File		
 hawaii_measurements	✖	5/1/2023 10:57 PM	Microsoft Excel Comma Separat		
 hawaii_stations	✖	5/1/2023 10:57 PM	Microsoft Excel Comma Separat		

II. Ensure SurfsUp folder contains app.py

sqlalchemy-challenge > SurfsUp					Search SurfsUp
Name	Status	Date modified	Type	Size	
 app	✖	5/11/2023 6:04 PM	Python Source File	9	
 climate_starter_completed	✖	5/11/2023 6:22 PM	Jupyter Source File	83	

III. In the terminal make sure the folder path has the correct path to avoid errors like below

```
PS C:\Users\local> python app.py
```

```
C:\Users\Local\Desktop\anaconda3\python.exe: can't open file
```

```
C:\Users\Local\Desktop\UTBootCamp\GitHubRepo\Module10\app.py': [Errno 2] No such  
file or directory.
```

```
sqlite3.OperationalError: unable to open database file
```

```
sqlalchemy.exc.OperationalError: (sqlite3.OperationalError) unable to open database file
```

```
(Background on this error at: https://sqlalche.me/e/14/e3q8)
```

IV. Navigate to the correct folder path in the terminal like shown below and run the python script to see expected output!

```
PS C:\Users\Local> cd c:/Users/Local/ Desktop/UTBootCamp/GitHubRepo/sqlalchemy-  
challenge\SurfsUp> python app.py
```

```
* Serving Flask app "app" (lazy loading)  
* Environment: production  
  WARNING: This is a development server. Do not use it in a production deployment.  
  Use a production WSGI server instead.  
* Debug mode: on  
* Restarting with watchdog (windowsapi)  
* Debugger is active!  
* Debugger PIN: 782-578-149  
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

V. Open the browser and type “http://127.0.0.1:5000/” to view the api output

VI. Try out all the below combination in the browser”!

- 1.) /api/v1.0/precipitation - gives precipitation analysis
- 2.) /api/v1.0/stations - gives list of stations
- 3.) /api/v1.0/tobs - gives one year of temperature data for the most active station
- 4.) /api/v1.0/<start_date> - gives Min,Max,Avg Temperature from the Start date use yyyy-mm-dd date format
- 5.) /api/v1.0/<start>/<end> - gives Min,Max,Avg Temperature for given date range(start/end) use yyyy-mm-dd date format