8.Question:

1. ipython-sql : this is responsible to write sql queires in jupyter notebook directly.NO need to write code for connecting database to the jupyter notebook.

To install the above package simply the below code in jupyter notebook:

**!pip install ipython-sql**

**2. To load the SQL module in notebook simply write the below command:**

**%load\_ext sql**

**3.you need to connect string to connect to database. For Sqlite simply write as:**

**%sql sqlite://**

and don't forget to add**%%sql** in each of the jupyter notebook cell. this tells the code in cells in SQL

here is your sql queries for above database

sql code in jupyter notebook:

%%sql  
# THIS CELL WILL CREATE THE TABLE NAMED AS 'whether' below  
CREATE TABLE whether  
(  
city varchar(15),  
countrt varchar(15),  
season varchar(15),  
temperature float,  
rainfall float  
);

%%sql  
# THIS WILL INSERT THE DATAS IN TABLE...  
INSERT INTO whether VALUES('Mumbai', 'India', 'Winter', 24.8,5.9),  
('Mumbai', 'India', 'Spring', 28.4,16.2),  
('Mumbai', 'India', 'Summer', 27.9,1549.4),  
('Mumbai', 'India', 'Fall', 27.6,346.0),  
('London', 'United kingdom', 'Winter', 4.2,207.7),  
('London', 'United kingdom', 'Spring', 8.3,169.6),  
('London', 'United kingdom','Summer', 15.7,157.0),  
('London', 'United kingdom','Fall', 10.4,218.5),  
('Cairo', 'Egypt','Winter', 13.6,16.5),  
('Cairo', 'Egypt', 'Spring', 20.7,6.5);

%%sql  
select \* from whether;