

In [1]:

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# In[0]:  
import psycopg2 as pg  
import pandas as pd
```

In [2]:

```
# In[2]:  
class db_conn:  
    """ db_conn class for representing and manipulating postgres connection. """  
  
    def __init__(self, server, database, username, pwd):  
        self.server = server  
        self.database = database  
        self.username = username  
        self.password = pwd  
  
    def get_server(self):  
        return self.server  
  
    def get_database(self):  
        return self.database  
    def get_username(self):  
        return self.username  
  
    def postgres(self):  
        conn = pg.connect(dbname = self.database,  
                           user=self.username,  
                           password=self.password,  
                           host=self.server)  
  
        self.conn = conn  
        return conn  
  
    def get_dataframe(self, sql):  
        df = pd.read_sql(sql, self.conn)  
        return df
```

In []: