How to import Data from SQL database in Jupyter notebook

**First Method**

**By Using Sqlalchemy**

#install sqlalchemy into notebook

pip install sqlalchemy

#create engine

engine=sqlalchemy\_create\_engine(‘mysql+pymysql://username:password@localhost

:3306/application’)

## call customer table from the database

df = df.read\_sql\_table(‘customers’,engine)

# if you want fetch the sql query for INNER JOIN use pandas pd.read\_sql\_query

Query=’ ’ ’

SELECT customer.name,customer.number,order.name

FROM customer

INNER JOIN ON customer.customer\_id=order.customer\_id;

df =pd.read\_sql\_query(query,engine)

**Second Method**

**By using pyodbc**

Pip install pyodbc

## apply connection

Conn = pyodbc.connect(‘driver={SQL server}; ‘ ,

‘Server=RON\SQLExpress;’ ,

‘datbase=TestDB ; ’,’Trusted\_connection=Yes ;’}

Cursor=conn.cursor()

Sql\_query=pd.read\_sql\_query( ‘SELECT \* FROM TestDB.dbo.Person’ , conn)

Print(Sql\_query)