

```
1 # To add a new cell, type '# %%'
2 # To add a new markdown cell, type '# %% [markdown]'
3 # %%
4 #Inserting safety dataset to SQL Server
5
6 import pyodbc
7 import pandas as pd
8 sql_conn = pyodbc.connect('DRIVER={SQL
Server};SERVER=anthonyucl.database.windows.net;DATABASE=ucldissert;UID=ypleungaa;PWD=
xxxxxxx')
9
10
11 # %%
12 df = pd.read_csv("safety.csv")
13 df =df.dropna()
14 df
15
16
17 # %%
18 cursor = sql_conn.cursor()
19
20
21 # %%
22 for index, row in df.iterrows():
23     cursor.execute("INSERT INTO
dbo.safety(id,location,investigation,investigation_level,date_of_accident,date_of_rep
ort,time_of_accident,activity,ai_category,body_part,nature_of_injury,type_of_contact,
no_of_days_lost,target_closure_date,actual_closure_date) values
(?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?)", row.id,
row.location,row.investigation,row.investigation_level,row.date_of_accident,row.date_
of_report,row.time_of_accident,row.activity,row.ai_category,row.body_part,row.nature_
of_injury,row.type_of_contact,row.no_of_days_lost,row.target_closure_date,row.actual_
closure_date)
24
25 sql_conn.commit()
26 cursor.close()
27 sql_conn.close()
28
29
30
```