Sample pymysql

September 2, 2021

1   Sample Python SQL

```python
[4]: import pymysql.cursors

     # Connect to the database at 10.1.11.26
     connection = pymysql.connect(
         host = "10.1.11.26",
         user = "jtelaak",
         password = "password",
         database = "cape_codd",
         charset = "utf8mb4",
         cursorclass = pymysql.cursors.DictCursor
     )

     # Query
     sql = "SELECT * FROM SKU_DATA ;"
```

```python
[6]: with connection.cursor() as cursor:
         # Run Query
         cursor.execute(sql)
         result = cursor.fetchall()

         # List
         for r in result:
             print (r)
```

```
{'SKU': 100100, 'SKU_Description': 'Std. Scuba Tank, Yellow', 'Department':
'Water Sports', 'Buyer': 'Pete Hansen'}
{'SKU': 100200, 'SKU_Description': 'Std. Scuba Tank, Magenta', 'Department':
'Water Sports', 'Buyer': 'Pete Hansen'}
{'SKU': 100300, 'SKU_Description': 'Std. Scuba Tank, Light Blue', 'Department':
'Water Sports', 'Buyer': 'Pete Hansen'}
{'SKU': 100400, 'SKU_Description': 'Std. Scuba Tank, Dark Blue', 'Department':
'Water Sports', 'Buyer': 'Pete Hansen'}
{'SKU': 100500, 'SKU_Description': 'Std. Scuba Tank, Light Green', 'Department':
'Water Sports', 'Buyer': 'Pete Hansen'}
{'SKU': 100600, 'SKU_Description': 'Std. Scuba Tank, Dark Green', 'Department':
```

'Water Sports', 'Buyer': 'Pete Hansen'}
{'SKU': 101100, 'SKU_Description': 'Dive Mask, Small Clear', 'Department':
'Water Sports', 'Buyer': 'Nancy Meyers'}
{'SKU': 101200, 'SKU_Description': 'Dive Mask, Med Clear', 'Department': 'Water
Sports', 'Buyer': 'Nancy Meyers'}
{'SKU': 201000, 'SKU_Description': 'Half-dome Tent', 'Department': 'Camping',
'Buyer': 'Cindy Lo'}
{'SKU': 202000, 'SKU_Description': 'Half-dome Tent Vestibule', 'Department':
'Camping', 'Buyer': 'Cindy Lo'}
{'SKU': 203000, 'SKU_Description': 'Half-dome Tent Vestibule - Wide',
'Department': 'Camping', 'Buyer': 'Cindy Lo'}
{'SKU': 301000, 'SKU_Description': 'Light Fly Climbing Harness', 'Department':
'Climbing', 'Buyer': 'Jerry Martin'}
{'SKU': 302000, 'SKU_Description': 'Locking Carabiner, Oval', 'Department':
'Climbing', 'Buyer': 'Jerry Martin'}

```
[7]: import pandas as pd

     df = pd.read_sql_query(sql, connection)
     df.tail(1000)
```

```
[7]:        SKU                  SKU_Description    Department         Buyer
     0    100100        Std. Scuba Tank, Yellow  Water Sports   Pete Hansen
     1    100200       Std. Scuba Tank, Magenta  Water Sports   Pete Hansen
     2    100300     Std. Scuba Tank, Light Blue  Water Sports   Pete Hansen
     3    100400      Std. Scuba Tank, Dark Blue  Water Sports   Pete Hansen
     4    100500    Std. Scuba Tank, Light Green  Water Sports   Pete Hansen
     5    100600     Std. Scuba Tank, Dark Green  Water Sports   Pete Hansen
     6    101100             Dive Mask, Small Clear  Water Sports  Nancy Meyers
     7    101200               Dive Mask, Med Clear  Water Sports  Nancy Meyers
     8    201000                  Half-dome Tent       Camping      Cindy Lo
     9    202000         Half-dome Tent Vestibule       Camping      Cindy Lo
     10   203000  Half-dome Tent Vestibule - Wide       Camping      Cindy Lo
     11   301000      Light Fly Climbing Harness      Climbing  Jerry Martin
     12   302000         Locking Carabiner, Oval      Climbing  Jerry Martin
```

```
[ ]:
```