MY SQL CONNECTOR

In [1]:

```
!pip install mysql-connector-python
```

```
Collecting mysql-connector-python
  Downloading mysql_connector_python-8.0.25-cp38-cp38-win_amd64.whl (794 kB)
Collecting protobuf>=3.0.0
  Downloading protobuf-3.17.1-py2.py3-none-any.whl (173 kB)
Requirement already satisfied: six>=1.9 in c:\users\todays\anaconda3\lib\site-packages (f
rom protobuf>=3.0.0->mysql-connector-python) (1.15.0)
Installing collected packages: protobuf, mysql-connector-python
Successfully installed mysql-connector-python-8.0.25 protobuf-3.17.1
```

SETTTING CONNECTION

In [2]:

```
import mysql.connector as connection
```

In [4]:

```
connection.connect(host="localhost",user="root",passwd="Aadil@78600",use_pure=True)
```

Out[4]:

```
<mysql.connector.connection.MySQLConnection at 0x7e7eeb0>
```

In [5]:

```
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",use_pure=True
)
```

Setting Cursor

In [17]:

```
cur = mydb.cursor() #cursor can be set up again & again after running any query to be saf
e from  error
```

Show Databases

In [26]:

```
cur = mydb.cursor()
cur.execute("show databases")
```

In [23]:

```
cur.fetchall()
```

Out[23]:

```
[('information_schema',),
 ('aadil',),
 ('aadil111',),
 ('gta',),
 ('mysql',),
 ('performance_schema',),
 ('sakila',),
 ('sme',),
```

```
('sys',),
('world',)]
```

In [24]:

```
type(cur.fetchall())
```

Out[24]:

```
list
```

In [29]:

```
mydb.close()
```

In [30]:

```
mydb.is_connected()
```

Out[30]:

```
False
```

loops for fetchall

In [1]:

```python
import mysql.connector as connection
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",use_pure=True
)
mydb
```

Out[1]:

```
<mysql.connector.connection.MySQLConnection at 0x4f8c040>
```

In [2]:

```
mydb.is_connected()
```

Out[2]:

```
True
```

In [3]:

```
cur = mydb.cursor()
```

In [4]:

```
cur.execute("show databases")
```

In [5]:

```
a =cur.fetchall()
```

In [6]:

```
cur = mydb.cursor()
```

In [7]:

```
mydb.is_connected()
```

Out[7]:

```
True
```

In [9]:

```
for i in a:
```

```
for i in a:
    print(i)
```

```
('information_schema',)
('aadil',)
('aadil111',)
('gta',)
('mysql',)
('performance_schema',)
('sakila',)
('sme',)
('sys',)
('world',)
```

In [13]:

```
for i in enumerate(a):
    print(i)
```

```
(0, ('information_schema',))
(1, ('aadil',))
(2, ('aadil111',))
(3, ('gta',))
(4, ('mysql',))
(5, ('performance_schema',))
(6, ('sakila',))
(7, ('sme',))
(8, ('sys',))
(9, ('world',))
```

In [14]:

```
mydb.close()
```

creating a new databases

In [15]:

```
import mysql.connector as connection
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",use_pure=True
)
cur = mydb.cursor()
```

In [16]:

```
mydb
```

Out[16]:

```
<mysql.connector.connection.MySQLConnection at 0x7d248b0>
```

In [17]:

```
cur.execute("create database Aadil_sql_revision")
```

Creating a Table

In [18]:

```
'''CONNECTING TO DATABASES'''
import mysql.connector as connection
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",database="Aad
il_sql_revision",use_pure=True)
cur = mydb.cursor()
```

In [19]:

```
mydb
```

```
<mysql.connector.connection.MySQLConnection at 0x70fd5b0>
```

In [22]:

```
cur.execute("create table rev_test(x1 int(5),x2 varchar(20),x3 DATE)")
```

In [23]:

```
mydb.close()
```

showing tables

In [24]:

```
import mysql.connector as connection
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",database="Aad
il_sql_revision",use_pure=True)
cur = mydb.cursor()
```

In [25]:

```
cur.execute("select * from rev_test")
```

In [26]:

```
cur.fetchall()
```

Out[26]:

```
[]
```

In [28]:

```
mydb.close()
```

Inserting Values in Tables

In [29]:

```
import mysql.connector as connection
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",database="Aad
il_sql_revision",use_pure=True)
cur = mydb.cursor()
```

In [32]:

```
cur.execute("insert into rev_test(x1,x2,x3) values(1234,'Aadil','9999-12-31')")
```

In [33]:

```
mydb.commit()
```

In [34]:

```
cur = mydb.cursor()
```

In [36]:

```
cur.execute("select x3,x1 from rev_test")
```

In [37]:

```
cur.fetchall()
```

Out[37]:

```
[(datetime.date(9999, 12, 31), 1234)]
```

In [ ]:

```python
for i in cur.fetchall():
    print(i)
```

In [42]:

```python
mydb.close()
```

Deleting Data From Row/Column Of Table

In [45]:

```python
import mysql.connector as connection
mydb = connection.connect(host="localhost",user="root",passwd="Aadil@78600",database="Aad
il_sql_revision",use_pure=True)
cur = mydb.cursor()
```

In [52]:

```python
query = "delete from Aadil_sql_revision.rev_test where x1=1234"
```

In [53]:

```python
cur.execute(query)
```

In [54]:

```python
mydb.commit()
```

updating tables

In [72]:

```python
cur = mydb.cursor()
```

In [73]:

```python
cur.execute("insert into rev_test(x1,x2,x3) values(1234,'Aadil','9999-12-31')")
```

In [74]:

```python
mydb.commit()
```

In [75]:

```python
cur = mydb.cursor()
```

In [76]:

```python
query = "update Aadil_sql_revision.rev_test set x1=4567,x2='samsu' where x1=1234"
```

In [77]:

```python
cur.execute(query)
```

In [78]:

```python
mydb.commit()
```

In [ ]: