# Day 17 – Python MySql

* Python can be used in database applications here we will start to use MySQL.

# MySQL database at <https://www.mysql.com/downloads/>.

# Installing SQL Driver you use PIP to install "MySQL Connector"

# To check Import the SQL connector by import mysql.connector

* Use the username and password from your MySQL database:

import mysql.connector  
  
mydb = mysql.connector.connect(  
  host="localhost",  
  user="*yourusername*",  
  password="*yourpassword*"  
)  
  
print(mydb)

# to create a database in MySQL, use the "CREATE DATABASE" statement

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword" ) dbse = mydb.cursor() dbse.execute("CREATE DATABASE mydatabase")

* You can check if a database exist by listing all databases in your system by using the "SHOW DATABASES" statement:

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword" ) dbse = mydb.cursor() dbse.execute("SHOW DATABASES") for entry in dbse:   print(entry)

# To create a table in MySQL, use the "CREATE TABLE" statement.

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) dbse = mydb.cursor() dbse.execute("CREATE TABLE customers (Employee\_name VARCHAR(255), Employee\_dep VARCHAR(255))")

# check if a table exist by listing all tables in your database with the "SHOW TABLES" statement

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) dbse = mydb.cursor() dbse.execute("SHOW TABLES") for value in dbse:   print(value)

# Exercise:

### Create a connection for DB and print the version using a python program

* Create a multiple tables & insert data in table
* Create a employee table and read all the employee name in the table using for loop