# Day 18 – Python MySql (Insert into & select)

# To fill a table in MySQL, use the "INSERT INTO" statement

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() sql = "INSERT INTO customers (name, address) VALUES (%s, %s)" val = ("Dhoni", "Ranchi 7") mycursor.execute(sql, val) **mydb.**commit**()** print(mycursor.rowcount, "record inserted.")

# mydb.commit() this is important comment only this changes the table

# To insert multiple rows into a table, use the executemany() method. second parameter of the executemany() method is a list of tuples, containing the data you want to insert

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() sql = "INSERT INTO customers (name, address) VALUES (%s, %s)" val = [   ('Dhoni', '7'),   ('Kohli', '18'), ] mycursor.executemany(sql, val) mydb.commit() print(mycursor.rowcount, "was inserted.")

# To select from a table in MySQL, use the "SELECT" statement

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() mycursor.execute("SELECT \* FROM customers") myresult = mycursor.fetchall() for x in myresult:   print(x)

# To select only some of the columns in a table, use the "SELECT" statement followed by the column

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() mycursor.execute("SELECT name, address FROM customers") myresult = mycursor.fetchall() for x in myresult:   print(x)

# If you are only interested in one row, you can use the fetchone() method

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() mycursor.execute("SELECT \* FROM customers") myresult = mycursor.fetchone() print(myresult)

# Exercise:

# Create a DB with doctor and doctor ID & patients visited

# Get the doctor(s) who have more than 5 patients visited

# Get the doctors with no patients visit