# Day 19 – Filter (Where Clause) & Sort

* When selecting records from a table, you can filter the selection by using the "WHERE" statement:

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

* You can also select the records that starts, includes, or ends with a given letter or phrase. Use the %  to represent wildcard characters

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

* Use the ORDER BY statement to sort the result in ascending or descending order.
* The ORDER BY keyword sorts the result ascending by default. To sort the result in descending order, use the DESC keyword.

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

# Use the DESC keyword to sort the result in a descending order

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

# Exercise:

# Create an Excel with data of Student database and add all the values which is required for student management database, Read the excel file and add the datas into a DB (using script)