

OBJECTIVES

- Python
 - Basic programming
- DDL
 - Create table, Alter table, Drop table
- DML
 - Insert, Retrieve ,Update, Delete

- counter = 100
- miles = 1000.0
- name = "hello"
- a = b = c = 1
- a, b, c, d = 1, 2, "a string", 'another string'

- if condition_1:
- statement_block_1
- elif condition_2:
- statement_block_2
- else:
- statement_block_3

- if a < 10:
- print(a)
- elif a < 20:
- a += 3
- else:
- print(a**2)

- while <expr>:
- <statement(s)>

- while a < 100:
- a += 1
- print(a)
- # next line...

- for <variable> in <sequence>: for i in range(200):
- <statements>

- print(i)
- # next line...

```
import pymysql
conn=pymysql.connect(host='localhost',user='xxx',password='xxx',database='db2019',charset='utf8')
cursor=conn.cursor()
sql = 'select name,salary from teacher;'
cursor.execute(sql)
retdat = cursor.fetchall()
For row in retdat:
  print(row[0], ':', row[1])
cursor.close()
conn.close()
     ©LXD
```

DDL

- Write a SQL script and execute it repeatedly
 - Create a table: department01
 - Deptname (primary key), Location
 - Create a table: student01
 - ID(primary key), Name, Birthplace
 - Add a new attribute for student01: Deptname
 - Specify the new attribute to reference to department01 table
 - Add five students into student01, and these students belong to different department
 - Drop department01 table

DML

- Import all students from student table into student01 table
- Retrieve name and deptname from student01 table
- Modify Birthplace value of student01 to 'Unknown', and Retrieve again
- Delete all students of "Comp. Sci.' department, and Retrieve again

