## \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

## DML - Data Manipulation Language

## \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE SCHEMA learning;

USE learning;

###

### INSERT

###

CREATE TABLE employee

(

employee\_id INT NOT NULL,

first\_name VARCHAR(25) NOT NULL,

last\_name VARCHAR(25) NOT NULL,

gender char(1) NOT NULL,

hire\_date DATE NOT NULL,

salary INT,

department\_id INT DEFAULT 10,

PRIMARY KEY (employee\_id)

);

DESCRIBE EMPLOYEE;

INSERT INTO employee (employee\_id, first\_name, last\_name, gender, hire\_date, salary, department\_id)

VALUES (151, 'David','Bernstein','M','1997-03-24',9500,80);

INSERT INTO employee VALUES

(152, 'Peter','Hall','M','1997-08-20',9000,80);

INSERT INTO employee VALUES

(153, 'Christopher','Olsen','M','1998-03-30',8000,80),

(154, 'Nanette','Cambrault','F','1998-12-09',7500,80);

SELECT \* FROM employee;

INSERT INTO employee (employee\_id, first\_name, last\_name, gender, hire\_date)

VALUES (155, 'Oliver','Tuvault','M','1999-11-23');

SELECT \* FROM employee;

INSERT INTO employee VALUES

(156, 'Janette','King','F','1996-01-30',10000,80),

(157, 'Patrick','Sully','M','1996-03-04',9500,80),

(158, 'Allan','McEwen','M','1996-08-01',9000,80),

(159, 'Lindsey','Smith','F','1997-03-10',8000,80),

(160, 'Louise','Doran','F','1997-12-15',7500,80),

(161, 'Sarath','Sewall','M','1998-11-03',7000,80),

(162, 'Clara','Vishney','F','1997-11-11',10500,80),

(163, 'Danielle','Greene','F','1999-03-19',9500,80),

(164, 'Mattea','Marvins','F','2000-01-24',7200,80),

(165, 'David','Lee','M','2000-02-23',6800,80),

(166, 'Sunder','Ande','M','2000-03-24',6400,80),

(167, 'Amit','Banda','M','2000-04-21',6200,80),

(168, 'Lisa','Ozer','F','1997-03-11',11500,80),

(169, 'Harrison','Bloom','M','1997-03-11',NULL,NULL);

SELECT \* FROM EMPLOYEE;

# INSERT using SELECT

CREATE TABLE temp\_qualified\_employee

(

employee\_id INT NOT NULL,

first\_name VARCHAR(25) NOT NULL,

last\_name VARCHAR(25) NOT NULL,

PRIMARY KEY (employee\_id)

);

INSERT into temp\_qualified\_employee

SELECT employee\_id, first\_name, last\_name FROM employee;

SELECT \* FROM temp\_qualified\_employee;

###

### UPDATE

###

SELECT \* FROM employee;

ALTER TABLE employee

ADD COLUMN eligible\_allowance INT NULL;

SELECT \* FROM employee;

UPDATE employee

SET eligible\_allowance = salary \* 0.1;

SELECT \* FROM employee;

UPDATE employee

SET first\_name = 'Pete', last\_name = 'Hale'

WHERE employee\_id = 152;

SELECT \* FROM employee;

###

### DELETE

###

DELETE FROM employee

WHERE employee\_id = 151;

SELECT \* from employee;

DELETE FROM employee;

SELECT \* from employee;

DROP TABLE employee;

DROP TABLE temp\_qualified\_employee;

### END