CREATE TABLE students (

student\_id INT NOT NULL,

name\_ VARCHAR(20),

major VARCHAR(20),

CONSTRAINT students\_pk PRIMARY KEY(student\_id)

CONSTRAINT fk\_students FORIGEN KEY(student\_id)

) ;

DESCRIBE students;

DROP TABLE students;

ALTER TABLE students ADD gpa DECIMAL(3, 2);

ALTER TABLE students DROP COLUMS gpa;

INSERT INTO students (student\_id, name) VALUES(3, KUL);

SELECT \* FROM students;

INSERT INTO students VALUES(1, 'KUL','mat');

INSERT INTO students VALUES(2, 'hul','phy');

INSERT INTO students (student\_id, name) VALUES(3,'bul');

INSERT INTO students VALUES(4, 'dul','kat');

INSERT INTO students VALUES(5, 'dil','pat');

UPDATE students

SET major='phy'

WHERE student\_id = 4 OR student\_id= 2 ;

UPDATE students

SET major='phy',name\_='tom'

WHERE student\_id = 4 OR student\_id= 2 ;

DELETE FROM students

WHERE name = 'tom' AND major= 'phy'

SELECT students.name,students.major

FROM students

ORDER BY name\_,major DESC ASC;

LIMIT 2;

SELECT \*

FROM students

WHERE major = ‘phy’ OR name= ‘kate’ ;

< , >, <=,>=, =,<>,AND,OR

SELECT \*

FROM students

WHERE name\_ IN (KUL,BUL,DUL); AND student\_id> 2;

SELECT first\_name as forename, last\_name as surname

FROM students;

SELECT DISTINCT sex

FROM students;

FUNCTIONS:

SELECT COUNT(emp\_id)

FROM students;

WHERE SEX = ‘F’ AND birth\_date > ‘1971-01-22

SELECT AVG(salery)

FROM students;

WHERE SEX = ‘F’ AND birth\_date > ‘1971-01-22

SELECT SUM(salery)

FROM students;

WHERE SEX = ‘F’ AND birth\_date > ‘1971-01-22

SELECT COUNT(SEX),SEX

FROM students

GROUP BY SEX;

Inner join

SELECT employee.emp\_id, employee.first\_name, branch.branch\_name

FROM employee

JOIN branch

ON employee.emp\_id= branch.mgr\_id;

LEFT join

SELECT employee.emp\_id, employee.first\_name, branch.branch\_name

FROM employee

LEFT JOIN branch

ON employee.emp\_id= branch.mgr\_id;

RIGHT join

SELECT employee.emp\_id, employee.first\_name, branch.branch\_name

FROM employee

RIGHT JOIN branch

ON employee.emp\_id= branch.mgr\_id;

NESTED QURIES

SELECT employee.first\_name, employee.last\_name

FROM employee

WHERE employee.emp\_id IN (

SELECT works\_with.emp1-id

From works\_with

WHERE works\_with.total\_sales >30000

);

FROM students

WHERE major = ‘phy’ OR name= ‘kate’ ;

FROM students

WHERE major = ‘phy’ OR name= ‘kate’ ;

SELECT \*

FROM students

WHERE major = ‘phy’ OR name= ‘kate’ ;