CREATE TABLE employee (`Employee\_ID` INT(10) NOT NULL,

`First\_Name` VARCHAR(45) NOT NULL,

`Last\_Name` VARCHAR(45) NOT NULL,

`Title` varchar(30) NOT NULL, `stamp` TIMESTAMP NULL,

PRIMARY KEY (`Employee\_ID`));

select \* from employee;

desc employee\_rec;

alter table employee modify first\_name varchar(100);

alter table employee rename employee\_rec;

alter table employee\_rec change first\_name fname varchar(50);

alter table employee drop column employee\_id;

alter table employee\_rec add column age INT(5);

alter table employee\_rec add EMPID INT(5);

alter table employee\_rec add primary key (empid);

DESC EMPLOYEE\_REC;

INSERT INTO employee\_rec (employee\_id,fname,

last\_name,title,age)

VALUES (1300,'John','Cam','Senior Designer',26);

INSERT INTO employee\_rec VALUES (1302,'Sierra',

'Paul','SE',

'2013-10-26 12:05:00',28);

SELECT ER.EMPLOYEE\_ID,ER.FNAME FROM EMPLOYEE\_REC ER;

select \* from employee\_rec WHERE age>26;

-- FETCH EMPLOYEES WITH AGE RANGING FROM 25 TO 27

select \* from employee\_rec WHERE age BETWEEN 25

AND 27;

SELECT COUNT(\*) EMPLOYEE\_COUNT FROM EMPLOYEE\_REC;

-- EX: Create new table DEPT with columns

-- dept\_id (primary key) int(10),

-- dept\_name varchar(50),

-- dept\_cat varchar(2),(have ca tegory A,B,C)

-- dept\_owner int(5) [This field matches

-- Employee\_id values in employee table

-- to later help us fetch common records]

CREATE TABLE `dept`

(`dept\_id` INT(10) NOT NULL,

`dept\_name` VARCHAR(50) NOT NULL,

`dept\_cat` VARCHAR(2) NOT NULL,

`dept\_owner` int(5), PRIMARY KEY (`dept\_id`))

ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO DEPT VALUES (4,'HR','C',1302);

select \* from dept;

UPDATE DEPT SET DEPT\_NAME = 'Marketing'

WHERE DEPT\_ID = 3;

COMMIT;

ALTER TABLE DEPT ADD UNIQUE KEY (DEPT\_NAME);

DELETE FROM DEPT WHERE DEPT\_ID = 3;

SELECT \* FROM DEPT ORDER BY DEPT\_NAME DESC;

SELECT avg(dept\_owner) AS senior\_emp,dept\_cat AS CATEGORY

FROM dept GROUP BY dept\_cat HAVING senior\_emp >= 1302;

SELECT \* FROM DEPT;

SELECT \* FROM EMPLOYEE\_REC;

SELECT E.AGE,E.EMPLOYEE\_ID,D.DEPT\_NAME,D.DEPT\_CAT FROM

EMPLOYEE\_REC AS E,DEPT AS D WHERE E.EMPLOYEE\_ID = D.DEPT\_OWNER;

SELECT E.AGE,E.EMPLOYEE\_ID,D.DEPT\_NAME,D.DEPT\_CAT FROM

EMPLOYEE\_REC E LEFT OUTER JOIN DEPT D ON E.EMPLOYEE\_ID = D.DEPT\_OWNER;

-- FETCH MAX(AGE),DEPT\_NAME,DEPT\_CAT

-- FROM EMPLOYEE,DEPT BY CATEGORY

-- i.e. FETCH MAXIMUM EMPLOYEE AGE EMPLOYEE INFORMATION FROM

-- EACH CATEGORY