CREATE TABLE PROGRAMMER (

EmpNo INT NOT NULL,

LastName VARCHAR(50),

FirstName VARCHAR(50),

Hiredate DATE,

ProjId VARCHAR(50),

Languages VARCHAR(50),

TaskNo INT,

PrivilegE VARCHAR(50),

UNIQUE(EmpNo)

);

INSERT INTO PROGRAMMER

VALUES

(201, 'Gupta', 'Saurav', '1/1/95', 'NPR' ,'VB', 52, 'Secret'),

(390, 'Ghosh', 'Pinky', '1993-01-01', 'KCW', 'JAVA', 11, 'TopSecret'),

(789, 'Agarwal', 'Praveen', '1998-03-12', 'RNC', 'VB', 11, 'Secret'),

(134, 'Chaudhury', 'Supriyo', '1995-02-13', 'TIPPS', 'C++', 52, 'Secret'),

(896, 'Jha', 'Ranjit', '1997-10-19', 'KCW', 'JAVA', 10, 'TopSecret'),

(345, 'John', 'Peter', '1999-08-24', 'TIPPS', 'JAVA', 52, null),

(563, 'Anderson', 'Andy', '1994-06-15', 'NITTS', 'C++', 89, 'Confidential');

select \* from PROGRAMMER;

SELECT \* FROM PROGRAMMER

WHERE LastName = 'GUPTA';

UPDATE PROGRAMMER

SET ProjId ='NITTS', Languages = 'C++'

WHERE EmpNo = 201;

select \* from PROGRAMMER;

SELECT \* FROM PROGRAMMER

WHERE LastName = 'GUPTA';

DELETE FROM PROGRAMMER

WHERE EmpNo = 134;

select \* from PROGRAMMER;

ALTER TABLE PROGRAMMER

add COLUMN TaskNo varchar(123);

ALTER TABLE PROGRAMMER

DROP COLUMN TaskNo;

DROP table Department;

CREATE TABLE Department(

DeptNo int NOT NULL,

Dname VARCHAR(20),

Loc VARCHAR(20) NOT NULL,

UNIQUE(DeptNo)

);

SELECT \* FROM Department;

ALTER TABLE Department

modify COLUMN Dname VARCHAR(50);

INSERT INTO Department

VALUES

(10, 'ACCOUNTS', 'NEWYORK'),

(20, 'MARKETING', 'CHICAGO'),

(30, 'SALES', 'ATLANTA'),

(40, 'RESEARCH', 'OHIO');

CREATE TABLE EMP2 (

EmpNo INT NOT NULL,

Ename VARCHAR(10) NOT NULL,

Job VARCHAR(50) NOT NULL,

Sal INT NOT NULL,

Hiredate DATE NOT NULL,

PRIMARY KEY(EmpNo),

DeptNo int,

foreign key(DeptNo) references Department(DeptNo)

);

Select \* from EMP2;

INSERT INTO EMP2

VALUES

(7001, 'JAMES', 'CLERK', 3000, '2005-09-22', 10),

(7002, 'MASON', 'PRESIDENT', 10000,'2005-04-21', 20),

(7003, 'CLARK', 'MANAGER', 5000, '2004-07-12', 20),

(7004, 'JOHN', 'MANAGER', 6000, '2006-09-17',10),

(7005, 'BLAKE', 'CLERK', 3500, '2009-03-19', 30);

CREATE TABLE GRADE(

GradeNo INT NOT NULL PRIMARY KEY,

Hi\_sal INT,

Lo\_sal INT

);

SELECT \* FROM GRADE;

ALTER TABLE GRADE

DROP COLUMN Lo\_sal;

ALTER TABLE GRADE

ADD COLUMN Lo\_sal varchar(20);

ALTER TABLE GRADE

DROP COLUMN Lo\_sal;

ALTER TABLE GRADE

ADD COLUMN Lo\_sal int;

INSERT into GRADE

values(1,200,500),

(2,3500,2100),

(3,6000,3600),

(4,15000,6100);

Create table EMP\_BACKK

(

EmpNo int(4),

Ename varchar(10) not null,

Job varchar(12) not null,

Sal int not null,

Hiredate date not null,

DeptNo int not null

);

DESC EMP\_BACKK;

insert into EMP\_BACKK values

(7001,'JAMES','CLERK',3000,'2005/5/6',10),

(7002,'MASON','PRESIDENT',10000,'2005/6/6',20),

(7003,'CLARK','MANAGER',5000,'2004/4/6',20),

(7004,'JOHN','MANAGER',6000,'2005/8/6',10),

(7005,'BLAKE','CLERK',3500,'2005/8/9',30);

UPDATE EMP\_BACKK

SET Sal = 5100

WHERE EmpNo = 7003;

UPDATE EMP\_BACKK

SET Sal = 6100

WHERE EmpNo = 7004;

UPDATE EMP\_BACKK

SET Sal = 2990

WHERE deptno = 10;

UPDATE EMP\_BACKK

SET Sal = 5990

WHERE deptno = 10;

select \* FROM EMP\_BACKK;

ALTER TABLE EMP\_BACKK

ADD COMM int null;

DELETE FROM EMP\_BACKK WHERE hiredate < ('2005-05-6');

DELETE FROM EMP\_BACKK

WHERE sal < 3000;

select \* from EMP\_BACKK where deptno=10;

select Job = 'MANAGER' from EMP\_BACKK where deptno=10;

select \* FROM EMP\_BACKK;

select \* from EMP\_BACKK where Sal between 5000 and 7000;

SELECT \* FROM EMP\_BACKK

WHERE Hiredate<('2005/7/10');

select \* from EMP\_BACKK where job in ('Manager','President');

select \* from EMP\_BACKK where job in ('Manager');

UPDATE EMP\_BACKK

SET COMM = 500

WHERE DeptNo = 10;

SELECT \* FROM EMP\_BACKK

WHERE COMM IS NULL;

select \* from EMP\_BACKK where job not in ('President','Manager');

select \* from EMP\_BACKK where Ename like 'J%';

select \* from EMP\_BACKK where Ename like '%A%';

UPDATE EMP\_BACKK

SET Sal = Sal + (Sal \* 10/100);

SELECT \* FROM EMP\_BACKK;

select \* from EMP\_BACKK;

select \* from EMP\_BACKK order by Ename desc;

select \* from EMP\_BACKK order by Deptno, job asc;

select JAMES as 'James', MASON as 'Mason' , JHON as 'Jhon' from EMP\_BACKK;

SELECT UPPER(Ename)

FROM EMP\_BACKK;

select count(\*) from EMP\_BACKK;

select max(sal) from EMP\_BACKK;