DROP TABLE JOBS;

CREATE TABLE JOBS

(

JOB\_ID VARCHAR2(10 BYTE) PRIMARY KEY,

JOB\_TITLE VARCHAR2(35 BYTE) NOT NULL,

MIN\_SALARY NUMBER(6),

MAX\_SALARY NUMBER(6)

);

DESCRIBE JOBS;

DROP TABLE DEPARTMENTS;

CREATE TABLE DEPARTMENTS

(

DEPARTMENT\_ID NUMBER PRIMARY KEY,

DEPARTMENT\_NAME VARCHAR2(30 BYTE) NOT NULL,

LOCATION\_ID NUMBER

);

DESCRIBE DEPARTMENTS;

DROP TABLE EMPLOYEES;

CREATE TABLE EMPLOYEES

(

EMPLOYEE\_ID NUMBER PRIMARY KEY,

FIRST\_NAME VARCHAR2(20 BYTE),

LAST\_NAME VARCHAR2(25 BYTE) NOT NULL,

EMAIL VARCHAR2(25 BYTE) NOT NULL,

PHONE\_NUMBER VARCHAR2(20 BYTE),

HIRE\_DATE DATE NOT NULL,

JOB\_ID VARCHAR2(10 BYTE) NOT NULL,

SALARY NUMBER(8,2),

COMMISSION\_PCT NUMBER(2,2),

MANAGER\_ID NUMBER,

DEPARTMENT\_ID NUMBER

);

DESCRIBE EMPLOYEES;

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (DEPARTMENT\_ID) REFERENCES DEPARTMENTS(DEPARTMENT\_ID);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (JOB\_ID) REFERENCES JOBS(JOB\_ID);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (MANAGER\_ID) REFERENCES EMPLOYEES(EMPLOYEE\_ID);

CREATE SEQUENCE TAB\_DEPARTMENTS\_SEQ

START WITH 1

INCREMENT BY 1;

CREATE SEQUENCE TAB\_EMPLOYEES\_SEQ

START WITH 1

INCREMENT BY 1;

INSERT INTO DEPARTMENTS VALUES (TAB\_DEPARTMENTS\_SEQ.nextval, 'ADMINISTRATION', 1700);

INSERT INTO JOBS VALUES ('AD PRES1', 'PRESIDENT', 20000, 40000);

INSERT INTO EMPLOYEES VALUES (TAB\_EMPLOYEES\_SEQ.nextval,'Steven', 'King', 'SKING', '515.123.4567', sysdate, 'AD PRES1', 24000, NULL, NULL, 4);

SELECT \*

FROM EMPLOYEES;

SELECT \*

FROM DEPARTMENTS;

SELECT \*

FROM JOBS;

SELECT

FIRST\_NAME, LAST\_NAME

FROM EMPLOYEES;

SELECT \*

FROM EMPLOYEES

WHERE DEPARTMENT\_ID=50;

UPDATE EMPLOYEES

set EMPLOYEES.SALARY= EMPLOYEES.SALARY+EMPLOYEES.SALARY\*30/100

where DEPARTMENT\_ID=50;

DELETE EMPLOYEES

WHERE EMPLOYEE\_ID=189;

SELECT \*

FROM EMPLOYEES

WHERE JOB\_ID='IT\_PROG'

ORDER BY FIRST\_NAME;

SELECT e.FIRST\_NAME

FROM EMPLOYEES e

INNER JOIN DEPARTMENTS d

ON e.department\_id=d.deparTment\_id

WHERE e.DEPARTMENT\_ID=50;

CREATE VIEW EMPLOYEE\_LIST AS

SELECT EMP.EMPLOYEE\_ID, EMP.FIRST\_NAME, DEPT.DEPARTMENT\_NAME

FROM EMPLOYEES EMP, DEPARTMENTS DEPT

WHERE EMP.DEPARTMENT\_ID = DEPT.DEPARTMENT\_ID;

SELECT TO\_CHAR(SYSDATE, 'DD-MM-YYYY') FROM DUAL;

SELECT TO\_DATE('25-11-2014','DD-MM-YYYY') FROM DUAL;

SELECT UPPER(FIRST\_NAME),LOWER (EMAIL)

FROM EMPLOYEES;

SELECT CONCAT('FIRST NAME ',FIRST\_NAME)

FROM EMPLOYEES;

SELECT COUNT(EMPLOYEE\_ID)

FROM EMPLOYEES;

SELECT COUNT(EMPLOYEE\_ID)

FROM EMPLOYEES

WHERE JOB\_ID='IT\_PROG';

SELECT COUNT (EMPLOYEE\_ID),DEPARTMENT\_ID

FROM EMPLOYEES

GROUP BY DEPARTMENT\_ID;

SELECT SUM (SALARY)

FROM EMPLOYEES

WHERE DEPARTMENT\_ID=50;