-- Hemyan AL-kuwari

create table dept2 (deptno number(2), dname varchar2(14), loc varchar2(13));

desc dept2;

create table dept30 as select empno, ename, sal\*12 annual\_sallary, hiredate from emp where deptno = 30;

desc dept30;

select \* from dept30;

create table test as (select \* from emp where 1=2); -- 1=2 means this condition will always be false

create table managers as (select \* from emp where 1=2);

insert into managers(empno, ename, sal, hiredate) select empno, ename, sal, hiredate from emp where job='MANAGER';

select \* from managers;

-- Exercise

create table tax(empno number(5), tax number(10,2));

insert into tax select empno, sal\*0.05 from emp;

-- the previous statments are Equal to the next statment

create table tax2 as select empno, sal\*0.05 tax from emp;

rename dept2 to department2;

desc dept30;

-- 1- Adding a columm

alter table dept30 add (phone number(6));

alter table dept30 add (address varchar2(20), email varchar2(10));

-- 2- Modifying a column

alter table dept30 modify (ename varchar2(15));

alter table dept30 rename column phone to mobile;

-- 3- Dropping a column

alter table dept30 drop column hiredate;

alter table dept30 drop (address, email);

-- Dropping table

drop table dept30;

select \* from tax;

truncate table tax;

-- Practice

desc employee2;

select \* from employee2;

-- 1

create table employee2 as select empno id, ename last\_name, deptno dept\_id from emp where 1=2;

--2

alter table employee2 modify (last\_name varchar2(50));

desc employee2;

--3

alter table employee2 drop column last\_name;

desc employee2;

--4

drop table employee2;

-- V I E W S

-- Simple View

create view v1 as select empno, ename, job from emp where deptno = 10;

desc v1;

select \* from v1;

-- Exercise:

-- 1

insert into emp (empno, ename, deptno) values (456,'KHALED',20);

-- 2

select \* from v1;

-- 3

create view v2 as select empno, ename, dname from emp, dept where dept.deptno=emp.deptno;

select \* from v2;

-- Complex View

create view dept\_sum (name, minsal, maxsal, avgsal) as select d.dname, min(e.sal), max(sal), avg(sal) from emp e, dept d where e.deptno=d.deptno group by d.dname;

-- Exercise:

select \* from emp;

select \* from dept;

-- 1

update emp set sal = sal+1000 where deptno = 10;

-- 2

select \* from dept\_sum;

-- Dropping View

drop view v1;

-- Practice

-- 1

create view v; -- incorrect, because the view can't stay empty

-- 2

create view emp\_vu as select empno, ename employee, deptno from emp;

-- 3

select employee, deptno from emp\_vu;