**PRACTICE:CB.EN.U4CSE18302**

P1:

-- create table cust(custid varchar2(3) not null,Lname varchar2(15), Fname varchar2(15), area varchar2(2), phoneno number(8), primary key(custid));

-- create table movie (Mvnonumber(2) not null, Title varchar2(25), Type varchar2(10), Star varchar2(25), Price number(8,2), primary key (Mvno));

-- create table invo (Invno varchar2(3) not null, mvnonumber(2), custid varchar2(3), Issuedate Date, Returndate Date, primary key (Invno), foreign key (mvno) references movie(Mvno), foreign key (custid) references cust(custid));

-- insert into cust values('A01','Bayross','Ivan','sa',6125467);

-- insert into cust values('A02','Saitwal','Vandana','mu',5560379);

-- insert into cust values('A03','Jaguste','Pramada','da',4563891);

-- insert into cust values('A04','Navindgi','Basu','ba',6125401);

-- insert into cust values('A05','Sreedhar','Ravi','va','');

-- insert into cust values('A06','','Rukmini','gh','5125274');

-- insert into movie values(1,'Bloody Vengeance','action','Jackie Chan',100.00);

-- insert into movie values(2,'The Firm','thriller','Tom cruise',200.00);

-- insert into movie values(3,'Pretty Woman','romance','Richard Gere',150.00);

-- insert into movie values(4,'Home Alone','comedy','Macaulay Culkin',150.55);

-- insert into movie values(5,'The Fugitive','thriller','Harrison Ford',200.00);

-- insert into movie values(6,'Coma','suspense','Michael Douglas',100.00);

-- insert into movie values(7,'Dracula','horror','Gary Oldman',150.25);

-- insert into movie values(8,'Quick change','comedy','Bill Murray',100.00);

-- insert into movie values(9,'Gone with the wind','drama','Clarke Gable',200.00);

-- insert into movie values(10,'Carry on Doctor','comedy','Leslie Phillips',100.00);

-- insert into invo values('i01',4,'A01','23-jul-93','25-jul-93');

-- insert into invo values('i02',3,'A02','12-aug-93','15-aug-93');

-- insert into invo values('i03',1,'A02','15-aug-93','18-aug-93');

-- insert into invo values('i04',6,'A03','10-sep-93','13-sep-93');

-- insert into invo values('i05',7,'A04','05-aug-93','08-aug-93');

-- insert into invo values('i06',2,'A06','18-sep-93','20-sep-93');

-- insert into invo values('i07',9,'A05','07-jul-93','10-jul-93');

-- insert into invo values('i08',9,'A01','11-aug-93','14-aug-93');

-- insert into invo values('i09',5,'A03','06-jul-93','09-jul-93');

-- insert into invo values('i10',8,'A06','03-sep-93','06-jul-93');

-- select \* from Cust;

-- query1

-- select Fname,Area from cust;

-- query2

-- select \* from movie;

-- select distinct(Type) from movie;

3. select \* from cust;

select fname from cust where fname like '\_a%';

4. Display the invoice table information for custid 'A01' and 'A02'.

select \* from cust;

select \* from invo;

select \* from invo where custid='A01' or custid='A02';

select \* from invo where custid in('A01','A02');

5. Find the movies of type 'action" and "comedy'.

Select title from movie where type in('action','Comedy');

-- 6

-- select \* from movie where price>150 and price<=200;

-- 7

-- select \* from movie;

-- select Title,Price\*15 as next\_price from movie where price > 159;

-- 8

-- select mvno,custid from invo;

--9

-- select type,sum(price) from movie group by type;

--10

-- select custid,count(mvno) from invo group by custid;

P2:

Part-1:

/\*create table employee\_table(

emp\_id number(6),

First\_name varchar2(20),

Last\_name varchar2(25),

Email varchar2(25),

Phone\_no varchar2(20),

Joining\_Date date,

Job\_id varchar2(10),

Salary number(8,2),

Commission number(8,2),

Manager\_id number(6),

Dept\_id number(4),

primary key(emp\_id));

\*/

/\* create sequence order\_seq

increment by 1

start with 1

maxvalue 10;

//

insert into employee\_table values(order\_seq.nextval,'a','ab','a@gmail.com','123','23-jul-93','a','100.00','10.00','111111','1111');

insert into employee\_table values(order\_seq.nextval,'b','bv','b@gmail.com','143','23-jul-93','a','200.00','20.00','111112','1112');

insert into employee\_table values(order\_seq.nextval,'c','cd','c@gmail.com','154','23-jul-93','a','300.00','30.00','111113','1113');

insert into employee\_table values(order\_seq.nextval,'d','de','d@gmail.com','164','23-jul-93','a','400.00','40.00','111114','1114');

insert into employee\_table values(order\_seq.nextval,'e','ef','e@gmail.com','186','23-jul-93','a','500.00','50.00','111115','1115');

insert into employee\_table values(order\_seq.nextval,'f','fg','f@gmail.com','196','23-jul-93','a','600.00','60.00','111116','1116');

insert into employee\_table values(order\_seq.nextval,'g','gh','g@gmail.com','120','23-jul-93','a','700.00','70.00','111117','1117');

insert into employee\_table values(order\_seq.nextval,'h','hi','h@gmail.com','170','23-jul-93','a','800.00','80.00','111118','1118');

insert into employee\_table values(order\_seq.nextval,'i','ij','i@gmail.com','46','23-jul-93','a','190.00','90.00','1111119','1119');

insert into employee\_table values(order\_seq.nextval,'j','jk','j@gmail.com','56','23-jul-93','a','1000.00','100.00','111911','1171');

\*/

/\*

CREATE VIEW emp\_view AS SELECT emp\_id,First\_name,Last\_name,phone\_no FROM employees;

Select First\_Name,Last\_name from emp\_view where salary>10000;

Insert into emp\_view Select 10010,'John','Doe',9535299812;

Create view emp\_view2 AS Select emp\_id e, phone\_no p from emp\_view;

-- Part-2

-- create table department (dept\_namevarchar(20),building varchar(20),budget numeric(12,2),primary key(dept\_name));

-- create table course (course\_idvarchar(7),title varchar(50),dept\_name varchar(20),credits numeric(2,0),primary key(course\_id),foreign key(dept\_name) references department);

-- create table instructor (ID varchar(5),name varchar(20) not null,dept\_name varchar(20),salary numeric(8,2),primary key(ID),foreign key (dept\_name) references department);

-- create table section (course\_id varchar(8),sec\_id varchar(8),semester varchar(6),year numeric(4,0),building varchar(15),room\_number varchar(7),time\_slot\_id varchar(4),primary key (course\_id,sec\_id,semester,year),foreign key (course\_id) references course);

-- create table teaches ( ID varchar(5),course\_id varchar(8),sec\_id varchar(8),semester varchar(6),year numeric(4,0),primary key (ID,course\_id,sec\_id,semester,year),foreign key (course\_id,sec\_id,semester,year) references section,foreign key (ID) references instructor);

-- insert into department values('Comp. Sci.', 'Taylor' ,100000);

-- insert into department values('Biology', 'watson' ,90000);

-- insert into department values('Elec. Eng.', 'Taylor' ,85000);

-- insert into department values('Music', 'Packard' ,80000);

-- insert into department values('Finance','Painter' ,120000);

-- insert into department values('History', 'Painter' ,50000);

-- insert into department values('Physics','Watson' ,70000);

-- insert into course values('BIO-101','Intro. to Biology','Biology',4);

-- insert into course values('BIO-301','Genetics','Biology',4);

-- insert into course values('BIO-399','Computational Biology','Biology',3);

-- insert into course values('CS-101','Intro. to Computer Science','Comp. Sci.',4);

-- insert into course values('CS-190','Game Design','Comp. Sci.',4);

-- insert into course values('CS-315','Robotics','Comp. Sci.',3);

-- insert into course values('CS-319','Image Processing','Comp. Sci.',3);

-- insert into course values('CS-347','Database System Concepts','Comp. Sci.',3);

-- insert into course values('EE-181','Intro. to Digital Systems','Elec. Eng.',3);

-- insert into course values('FIN-201','Investment Banking','Finance',3);

-- insert into course values('HIS-351','World History','History',3);

-- insert into course values('MU-199','Music Video Production','Music',3);

-- insert into course values('PHY-101','Physical Principles','Physics',4);

-- insert into instructor values('22222','Einstien','Physics',95000);

-- insert into instructor values('12121','Wu','Finance',90000);

-- insert into instructor values('32343','El Said','History',60000);

-- insert into instructor values('45565','Katz','Comp. Sci.',75000);

-- insert into instructor values('98345','Kim','Elec. Eng.',80000);

-- insert into instructor values('76766','Crick','Biology',72000);

-- insert into instructor values('10101','Srinivasan','Comp. Sci.',65000);

-- insert into instructor values ('58583','Califieri','History',62000);

-- insert into instructor values('83821','Brandt','Comp. Sci.',92000);

-- insert into instructor values('15151','Mozart','Music',40000);

-- insert into instructor values('33456','Gold','Physics',87000);

-- insert into instructor values('76543','Singh','Finance',80000);

-- insert into section values('BIO-101','1','Summer',2009,'Painter','514','B');

-- insert into section values('BIO-301','1','Summer',2010,'Painter','514','A');

-- insert into section values('CS-101','1','Fall',2009,'Packard','101','H');

-- insert into section values('CS-101','1','Spring',2010,'Packard','101','F');

-- insert into section values('CS-190','1','Spring',2009,'Taylor','3128','E');

-- insert into section values('CS-190','2','Spring',2009,'Taylor','3128','A');

-- insert into section values('CS-315','1','Spring',2010,'Watson','120','D');

-- insert into section values('CS-319','1','Spring',2010,'Watson','100','B');

-- insert into section values('CS-319','2','Spring',2010,'Taylor','3128','C');

-- insert into section values('CS-347','1','Fall',2009,'Taylorr','3128','A');

-- insert into section values('EE-181','1','Spring',2009,'Taylor','3128','C');

-- insert into section values('FIN-201','1','Spring',2010,'Packard','101','B');

-- insert into section values('HIS-351','1','Spring',2010,'Painter','514','C');

-- insert into section values('MU-199','1','Spring',2010,'Packard','101','D');

-- insert into section values('PHY-101','1','Fall',2009,'Watson','100','A');

-- insert into teaches values('10101','CS-101','1','Fall',2009);

-- insert into teaches values('10101','CS-315','1','Spring',2010);

-- insert into teaches values('10101','CS-347','1','Fall',2009);

-- insert into teaches values('12121','FIN-201','1','Spring',2010);

-- insert into teaches values('15151','MU-199','1','Spring',2010);

-- insert into teaches values('22222','PHY-101','1','Fall',2009);

-- insert into teaches values('32343','HIS-351','1','Spring',2010);

-- insert into teaches values('45565','CS-101','1','Spring',2010);

-- insert into teaches values('45565','CS-319','1','Spring',2010);

-- insert into teaches values('76766','BIO-101','1','Summer',2009);

-- insert into teaches values('76766','BIO-301','1','Summer',2010);

-- insert into teaches values('83821','CS-190','1','Spring',2009);

-- insert into teaches values('83821','CS-190','2','Spring',2009);

-- insert into teaches values('83821','CS-319','2','Spring',2010);

-- insert into teaches values('98345','EE-181','1','Spring',2009);

-- select \* from teaches;

-- query1

-- select \* from teaches where semester in ('Fall','Summer') and year=2009;

-- query2

-- select \* from instructor where dept\_name='Comp. Sci.' and where salary>all(select salary from instructor);

ENDSEM:

CREATE TABLE SalesPerson(

SNUM number(4,0),

SNAME varchar2(20),

CITY varchar2(20),

COMM float(27),

primary key (SNUM)

);

CREATE TABLE Customers(

CNUM number(4,0),

CNAME varchar2(20),

CITY varchar2(20),

RATING number(3,0),

SNUM number(4,0),

primary key (CNUM),

foreign key (SNUM) references SalesPerson

);

CREATE TABLE Orders(

ONUM number(4,0),

AMT number(5,2),

ODATE DATE,

CNUM number(4,0),

SNUM number(4,0),

primary key (ONUM),

foreign key (CNUM) references Customers,

foreign key (SNUM) references SalesPersona

);

INSERT INTO SalesPerson(SNUM,SNAME,CITY,COMM) VALUES ('1001','Peel','London',.12);

INSERT INTO SalesPerson(SNUM,SNAME,CITY,COMM) VALUES ('1002','Serres','San Jose',.13);

INSERT INTO SalesPerson(SNUM,SNAME,CITY,COMM) VALUES ('1004','Motika','London',.11);

INSERT INTO SalesPerson(SNUM,SNAME,CITY,COMM) VALUES ('1007','Rifkin','Barcelona',.15);

INSERT INTO SalesPerson(SNUM,SNAME,CITY,COMM) VALUES ('1003','AxelRod','New York',.10);

INSERT INTO SalesPerson(SNUM,SNAME,CITY,COMM) VALUES ('1005','Fran','London',.26);