**Name: Aditya Shankar Khorne TE-C-06**

**1]**

SQL\*Plus: Release 18.0.0.0.0 - Production on Mon Oct 7 19:41:22 2024

Version 18.4.0.0.0

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Enter user-name: System

Enter password:

Last Successful login time: Mon Sep 16 2024 16:11:34 +05:30

Connected to:

Oracle Database 18c Express Edition Release 18.0.0.0.0 - Production

Version 18.4.0.0.0

SQL> create table Person (driver\_id int, name varchar(10), address varchar(10));

Table created.

SQL> insert into person values(100,'suraj','lonavala');

1 row created.

SQL> insert into person values(101,'Aditya','Washim');

1 row created.

SQL> insert into person values(102,'Ajay','Pune');

1 row created.

SQL> insert into person values(103,'shiv','mumbai');

1 row created.

SQL> select \* from person;

DRIVER\_ID NAME ADDRESS

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100 sauraksha lonavala

100 Aditya Washim

102 Ajay Pune

103 shiv Mumbai

SQL> create table car(license int primary key,model varchar(10),year int);

Table created.

SQL> insert into car values(345,'creta','2017');

1 row created.

SQL> insert into car values(346,'ciaz','2022');

1 row created.

SQL> insert into car values(350,'duster','2020');

1 row created.

SQL> insert into car values(330,'inova','2019');

1 row created.

SQL> select \* from car;

LICENSE MODEL YEAR

---------- ---------- ----------

345 creta 2017

346 ciaz 2022

350 duster 2020

330 inova 2019

SQL> create table accident(report\_no int primary key,date\_acc date,location varchar(20));

Table created.

SQL> insert into accident values(12,'14/may/2022','mumbai');

1 row created

SQL> insert into accident values(15,'15/dec/2021','nagpur');

1 row created.

SQL> insert into accident values(18,'18/april/2023','gujrat');

1 row created.

SQL> insert into accident values(30,'15/october/2019','rajstan');

1 row created.

SQL> select \* from accident;

REPORT\_NO DATE\_ACC LOCATION

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12 14-MAY-22 mumbai

15 15-DEC-21 nagpur

18 18-APR-23 gujrat

30 15-OCT-19 rajstan

create table owns(driver\_id int references person(driver\_id), license int references car(license));

SQL> insert into owns values(100,345);

1 row created.

SQL> insert into owns values(101,345);

1 row created.

SQL> insert into owns values(102,346);

1 row created.

SQL> insert into owns values(103,350)

1 row created.

SQL> insert into owns values(103,330);

1 row created.

SQL> select \*from owns;

DRIVER\_ID LICENSE

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100 345

101 345

102 346

103 350

103 330

create table participated(driver\_id int references person(driver\_id),model varchar(20),report\_no int references accident(report\_no),damage\_amount int);

Table created.

SQL> insert into participated values(100,'creta',12,10);

1 row created.

SQL> insert into participated values(101,'ciaz',15,50);

1 row created.

SQL> insert into participated values(103,'duster',18,36);

1 row created.

SQL> insert into participated values(103,'inova',30,45)

1 row created.

SQL> select \* from participated;

DRIVER\_ID MODEL REPORT\_NO DAMAGE\_AMOUNT

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100 creta 12 10

101 ciaz 15 50

103 duster 18 36

103 inova 30 45

**2]**

SQL> create table employee(employee\_name varchar(20) primary key,street varchar(30),city

2 varchar(15));

Table created

SQL> insert into employee values('pooja','st\_road','pune');

1 row created.

SQL> insert into employee values('kusum','jadhav\_colony','latur');

1 row created.

SQL> insert into employee values('rupali','adarsh\_nagar','maval');

1 row created.

SQL> insert into employee values('disha','tilak\_nagar','nagar');

1 row created.

SQL> select \* from employee;

EMPLOYEE\_NAME STREET CITY

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pooja st\_road pune

kusum jadhav\_colony latur

rupali adarsh\_nagar maval

disha tilak\_nagar nagar

SQL> create table works(employee\_name varchar(20) references

2 employee(employee\_name),company\_name varchar(30),salary int);

Table created.

SQL> insert into works values('pooja','hsbc',80000);

1 row created.

SQL> insert into works values('kusum','amazon',70000);

1 row created.

SQL> insert into works values('rupali','flipkart',30000);

1 row created.

SQL> insert into works values('disha','infosys',45600);

1 row created.

SQL> select \* from works;

EMPLOYEE\_NAME COMPANY\_NAME SALARY

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pooja hsbc 80000

kusum amazon 70000

rupali flipkart 30000

disha infosys 45600

SQL> alter table works modify company\_name varchar(30) primary key;

Table altered.

SQL> create table company(company\_name varchar(20) references works(company\_name),city

2 varchar(30));

Table created.

SQL> insert into company values('hsbc','pune');

1 row created.

SQL> insert into company values('amazon','latur');

1 row created.

SQL> insert into company values('flipkart','maval');

1 row created.

SQL> insert into company values('infosys','nagar');

1 row created.

SQL> select \*from company;

COMPANY\_NAME CITY

-------------------- ------------------------------

hsbc pune

amazon latur

flipkart maval

infosys nagar

SQL> create table manages(employee\_name varchar(20) references

2 employee(employee\_name),manager\_name varchar(30));

Table created.

SQL> insert into manages values('pooja','sharvale');

1 row created.

SQL> insert into manages values('kusum','durge');

1 row created.

SQL> insert into manages values('rupali','veer');

1 row created

SQL> insert into manages values('disha','pandit');

1 row created.

SQL> select \*from manages;

EMPLOYEE\_NAME MANAGER\_NAME

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pooja sharvale

kusum durge

rupali veer

disha pandit

**3]** **Create view with the employee\_name, company\_name by using above tables.**

SQL> create view view1 as select employee.employee\_name,works.company\_name from employee,works where employee.employee\_name=works.employee\_name;

View created.

SQL> select \* from view1;

EMPLOYEE\_NAME COMPANY\_NAME

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pooja hsbc

kusum amazon

rupali flipkart

disha Infosys

**4)Create index for employee & participated table.**

SQL> create index emp\_index on employee(employee\_name,street,city);

Index created.

SQL> create index participated\_index on participated(driver\_id,model,report\_no,damage

\_amount);

Index created.

**5)Create sequence for person & insert 4 records using sequence**

SQL> create sequence s1 increment by 1 start with 105 maxvalue 200 nocycle;

Sequence created.

SQL> insert into person values(s1.nextval,'pranav','jaypur');

1 row created.

SQL> insert into person values(s1.nextval,'pratik','banglore');

1 row created.

SQL> insert into person values(s1.nextval,'prakul','up');

1 row created.

SQL> insert into person values(s1.nextval,'suresh','kolkata');

1 row created.

SQL> select \* from person;

DRIVER\_ID NAME ADDRESS

---------- -------------------- ----------

100 suraj lonavala

101 Aditya Washim

102 Ajay Pune

103 shiv mumbai

105 pranav jaypur

106 pratik banglore

107 prakul up

108 suresh kolkat

8 rows selected.

**6)Create the synonym for table participated & company. Display the record using this table. Update the record using the synonym tables**

SQL> create synonym s1\_participated for participated;

Synonym created.

SQL> select \*from s1\_participated;

DRIVER\_ID MODEL REPORT\_NO DAMAGE\_AMOUNT

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100 creta 12 10

101 ciaz 15 50

103 duster 18 36

103 inova 30 45

SQL> update s1\_participated set model='suzuki' where driver\_id=100;

1 row updated.

SQL> select \*from s1\_participated;

DRIVER\_ID MODEL REPORT\_NO DAMAGE\_AMOUNT

---------- -------------------- ---------- -------------

100 suzuki 12 10

101 ciaz 15 50

103 duster 18 36

103 inova 30 45

SQL> create synonym s2\_company for company;

Synonym created.

SQL> select \*from s2\_company

COMPANY\_NAME CITY

-------------------- ------------------------------

hsbc pune

amazon latur

flipkart maval

infosys nagar

SQL> update s2\_company set city='panjab' where company\_name='hsbc';

1 row updated.

SQL> select \*from s2\_company

COMPANY\_NAME CITY

-------------------- ------------------------------

hsbc panjab

amazon latur

flipkart maval

infosys nagar

SQL> update s2\_company set city='panjab' where company\_name='hsbc';

1 row updated.