ASSIGNMENT NO :-2

Name : Dinesh Sabale

Roll:TEA-10

SQL*Plus: Release 21.0.0.0.0 - Production on Sat Aug 3 22:22:26 2024

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Sat Aug 03 2024 22:18:59 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> create user dines;

"_ORACLE_SCRIPT" = TRUE;

Session altered.

SQL> create table person(driver_id int primary key,name varchar(20),address varchar(10));

Table created.

SQL> insert into person values(1001,'OMKAR','AHMEDNAGAR');   1

row created.

SQL> insert into person values(1002,'SHUBHAM','PUNE'); 1 row

created.

SQL> insert into person values(1003,'SHIVAM','LONAVALA'); 1 row

created.

SQL> insert into person values(1004,'ROHIT','NASHIK'); 1 row

created.

SQL> insert into person values(1005,'VINAYAK','MUMAI');

1 row created.

SQL> select * from person;

 DRIVER_ID NAME   ADDRESS

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1001 OMKAR          AHMEDNAGAR

1002 SHUBHAM          PUNE

1003 SHIVAM          LONAVALA

1004 ROHIT          NASHIK

1005 VINAYAK          MUMBAI
```

SQL> create table car(licens varchar(15) primary key,model varchar(10),year int);

Table created.

SQL> insert into car values('SM123','HONDA',2001); 1 row

created.

SQL> insert into car values('SM124','SUZUKI',2002); 1 row created.   SQL>

insert into car values('SM125','TOYOTA',2003); 1 row

created.

SQL> insert into car values('SM126','BMW',2004); 1 row created.

SQL> insert into car values('SM127','BAJAJ',2005);

1 row created.

SQL> select * from car;

```
LICENS          MODEL          YEAR

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

SM123          HONDA          2001

SM124          SUZUKI          2002

SM125          TOYOTA          2003

SM126          BMW          2004

SM127          BAJAJ          2005
```

SQL> create table accident(report_no int primary key,date_acc date,location varchar(20));

Table created.

SQL> insert into accident values(11,'12/JAN/2012','AHMEDNAGAR');

1 row create.

SQL> insert into accident values(12,'16/FEB/2015','PUNE');

1 row created.

SQL> insert into accident values(13,'26/DEC/2017','MUMBAI'); 1 row

created.

SQL> insert into accident values(14,'22/MAR/2019','LONAVALA'); 1 row

created.

SQL> insert into accident values(15,'28/JUN/2023','NASHIK');

1 row created.

SQL> select * from accident;

 REPORT_NO DATE_ACC LOCATION

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11 12-JAN-12 AHMEDNAGAR

12 16-FEB-15 PUNE

13 26-DEC-17 MUMBAI

14 22-MAR-19 LONAVALA

15 28-JUN-23 NASHIK

SQL> create table owns(driver_id int primary key,license varchar(15));

Table created.

SQL> insert into owns values(1001,'SM123'); 1 row

created.

SQL> insert into owns values(1002,'SM124'); 1 row

created.

SQL> insert into owns values(1003,'SM125'); 1 row

created.

SQL> insert into owns values(1004,'SM126'); 1 row

created.

SQL> insert into owns values(1005,'SM127');

1 row created.

```
SQL> create table participate(driver_id int primary key,model varchar(15),report_no int
,damage_amount int);

Table created.

SQL> insert into participate values(1001,'HONDA',111,25000); 1 row

created.

SQL> insert into participate values(1002,'SUZUKI',122,30000); 1 row created.    SQL>

insert into participate values(1003,'TOYOTA',132,35000); 1 row

created.

SQL> insert into participate values(1004,'BMW',155,40000); 1 row

created.

SQL> insert into participate values(1005,'BAJAJ',165,45000);

1 row created.

SQL> select * from participate;

 DRIVER_ID MODEL        REPORT_NO DAMAGE_AMOUNT

---------- --------------- ---------- -------------  1001

HONDA         111     25000

1002 SUZUKI         122     30000

1003 TOYOTA          132      35000

1004 BMW          155     40000

1005 BAJAJ         165     45000

SQL> create table employee(employee_name varchar(10) primary key,street varchar(20),city
varchar(10));

Table created.

SQL> insert into employee values('KARTIK','PUNE-MUMBAI','MUMBAI'); 1 row

created.

SQL> insert into employee values('ANSH','AHMEDNAGAR-PUNE','PUNE');

1 row created.

SQL> insert into employee values('KRUSHNA','AHMEDNAGAR-THANE','THANE'); 1

row created.
```

SQL> insert into employee values('SARANG','AHMEDNAGAR-NASHIK','NASHIK'); 1 row

created.

SQL> insert into employee values('GOVIND','NASHIK-LONAVALA','LONAVALA');

1 row created.

SQL> select * from employee;

EMPLOYEE_N STREET   CITY

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

KARTIK   PUNE-MUMBAI   MUMBAI

ANSH   AHMEDNAGAR-PUNE   PUNE

KRUSHNA   AHMEDNAGAR-THANE   THANE

SARANG   AHMEDNAGAR-NASHIK   NASHIK

GOVIND   NASHIK-LONAVALA   LONAVALA

SQL> create table works(employee_name varchar(10) primary key,company_name
varchar(15),salary int);

Table created.

SQL> insert into works values('KARTIK','MICROSOFT',1000000);

1 row created.

SQL> insert into works values('ANSH','GOOGLE',100000);

1 row created.

SQL> insert into works values('KRUSHNA','AMAZON',500000);

1 row created.

SQL> insert into works values('SARANG','LNT',600000);

1 row created.

SQL> insert into works values('GOVIND','FLIPKART',700000);

1 row created.

SQL> select * from works;

EMPLOYEE_N COMPANY_NAME   SALARY

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

KARTIK   MICROSOFT   1000000

ANSH   GOOGLE   100000

KRUSHNA   AMAZON   500000

SARANG   LNT   600000

GOVIND   FLIPKART   700000

SQL> create table company(company_name varchar(15) primary key,city varchar(15));   Table created.

SQL> insert into company values('MICROSOFT','PUNE'); 1 row

created.

SQL> insert into company values('GOOGLE','LONAVALA');

1 row created.

SQL> insert into company values('LNT','NASHIK');

1 row created.

SQL> insert into company values('AMAZON','AHMEDNAGAR');

1 row created.

SQL> insert into company values('FLIPKART','THANE');

1 row created.

SQL> select * from company;

COMPANY_NAME   CITY

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

MICROSOFT   PUNE

GOOGLE   LONAVALA

LNT   NASHIK

AMAZON   AHMEDNAGAR

FLIPKART   THANE

SQL> create table manages(employee_name varchar(15) primary key,manager_name varchar(15));

Table created.

SQL> insert into manages values('ANSH','RAMESH'); 1 row created.

SQL> insert into manages values('KARTIK','BHARAT'); 1 row created.

SQL> insert into manages values('SWAPNIL','KRUSHNA'); 1 row created.   SQL>

insert into manages values('VINAYAK','VISHNU'); 1 row

created.

SQL> insert into manages values('SARANG','SHANKAR');

1 row created.

SQL> select * from manages;

EMPLOYEE_NAME   MANAGER_NAME

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

ANSH   RAMESH

KARTIK   BHARAT

SWAPNIL   KRUSHNA

VINAYAK   VISHNU

SARANG   SHANKAR

1)create view with the employee_name,company_name by using above table. SQL> create view

view1 as select employee_name,company_name from works;

View created.

SQL> select * from view1;

EMPLOYEE_N COMPANY_NAME

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

KARTIK   MICROSOFT

ANSH   GOOGLE

KRUSHNA   AMAZON SARANG

LNT

GOVIND   FLIPKART

2)Create index for employee and participated table.

SQL> create index index1 on employee(street);

Index created.

3)Create a sequence for person and insert 4 record using sequence. SQL> create sequence

s1 increment by 10 start with 1 maxvalue 50 nocycle;   Sequence created.

SQL> insert into person (driver_id) values (s1.nextval);

1 row created.

SQL> select * from person;

```
 DRIVER_ID NAME          ADDRESS

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

1001 OMKAR          AHMEDNAGAR

1002 SHUBHAM          PUNE

1003 SHIVAM          LONAVALA

1004 ROHIT          NASHIK

1005 VINAYAK          MUMBAI

     1
```

6 rows selected.

4) Create the synonym for table participated and company. Display the record using this table. Update the record using the synonym table. SQL> create synonym s1_part for participat;

Synonym created.

SQL> select * from s1_part;

```
 DRIVER_ID MODEL          REPORT_NO DAMAGE_AMOUNT

---------- --------------- ---------- ------------- 1001

HONDA          111     25000

1002 SUZUKI          122       30000

1003 TOYOTA          132       35000

1004 BMW          155       40000

1005 BAJAJ          165       45000
```

SQL> update s1_part set damage_amount = 2500 where report_no = 111;

1 row updated.

SQL> select * from s1_part;

```
 DRIVER_ID MODEL          REPORT_NO DAMAGE_AMOUNT

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

1001 HONDA          111       2500

1002 SUZUKI          122     30000

1003 TOYOTA          132     35000
```

| 1004 BMW | 155 | 40000 |
| 1005 BAJAJ | 165 | 45000 |