EXP NO: 03	Database for a car Insurance company
DATA: 10/02/2022	

Aim: To implement commands to create and find data from the table as required below.

Description about the problem:

Consider the insurance database given below.

- PERSON (driver_id, name, address) CAR (regno, model,year)
- PARTICIPATED (driver_id,regno,report_number,damage_amount)
  - ✓ Create the above tables by properly specifying the primary keys and foreign keys and enter atleast five tuples for each relation.
  - ✓ Update the damage amount for the car with specific regno in the accident with reportnumber 12 to 25000.
  - ✓ Add a new car to the database.
  - ✓ Find the total number of people who owned BMW cars before 2009
  - ✓ List the names of the person whose name contain substring 'LA'.
  - ✓ List the driver details who damage amount is between 10000-20000
  - ✓ list the person belongs to 'chennai' and 'mumbai'
  - ✓ list the year of the car in descending order
  - ✓ list the car regno, model, driver id.
  - ✓ remove the car with year of manufacture is <2000

Queries:

- `create table person (driver_id int primary key, d_name varchar (100) not null, address varchar (100) not null)`
- `create table car (reg_no int primary key, model_name varchar (20) not null, year_p int not null,color varchar(10))`
- `create table participated (driver_id int not null,reg_no int not null,rep_no int not null,`

```
damage_no int not null, foreign key (driver_id)
references person(driver_id),foreign key (reg_no)
references car(reg_no))
```

- `insert into person values(&driver_id,'&d_name','&address')`
- `insert into car values(1,'TATA',2000,'White')`
- `SELECT * FROM person`
- `insert into participated values (01,1,10,14000)`
- `update participated set damage_no=25000 where rep_no=15`
- `select count(year_p) from car where model_name in ('BMW')`
- `select * from person where address='Mumbai' or address='Chennai'`
- `select year_p from car order by year_p desc`
- `delete * from car where year_p<2000`

Result:

Successfully implemented the commands for the given situation of car insurance company.

Live SQL

My Scripts \ **Script**

Actions | Edit Attributes | Run Script

Name	**Session 03**
Description	Week 3 DBMS
Area	-
Visibility	Publicly Shareable - available via unlisted URL
Contributor	RA1911027010007
Share Link	https://livesql.oracle.com/apex/livesql/s/m1w4qjrfc6whxkbt8t8huz8ie
Tags	-
Script Results	We cannot determine the last run date for this script. What's This?
Last Updated	Thursday April 28, 2022 (Created 3 months ago)
Metrics	47 Statements, 2,378 bytes

Statement 1

Edit

```
create table person(driver_id int primary key, d_name varchar(100) not null, address va
```

Table created.

Statement 2

Edit

```
create table car(reg_no int primary key, model_name varchar(20) not null, year_p int no
```

Table created.

Statement 3

Edit

```
create table participated(driver_id int not null,reg_no int not null,rep_no int not nul
```

Table created.

ORA-01008: not all variables bound ORA-06512: at "SYS.DBMS_SQL", line 1721

Statement 5

Edit

```
insert into person values(001,'ABC','Mumbai')
```

1 row(s) inserted.

Statement 6

Edit

```
insert into person values(002,'BCD','Chennai')
```

1 row(s) inserted.

Statement 7

Edit

```
insert into person values(003,'CDE','Hyd')
```

1 row(s) inserted.

Statement 8

Edit

```
insert into person values(004,'DEF','Bangalore')
```

1 row(s) inserted.

Statement 9

Edit

```
insert into person values(005,'EFG','Pune')
```

1 row(s) inserted.

Statement 10

Edit

```
insert into car values(1,'TATA',2000,'White')
```

1 row(s) inserted.

Statement 11

Edit

```
insert into car values(2,'Audi',2015,'Yellow')
```

1 row(s) inserted.

Statement 12

Edit

```
insert into car values(3,'BMW',2018,'Black')
```

1 row(s) inserted.

Statement 13

Edit

```
insert into car values(4,'Hyundai',2014,'Blue')
```

Edit

```
insert into car values(5,'BMW',1998,'Black')
```

1 row(s) inserted.

Statement 15

Edit

```
SELECT * FROM person
```

DRIVER_ID	D_NAME	ADDRESS
1	ABC	Mumbai
3	CDE	Hyd
4	DEF	Bangalore
5	EFG	Pune
2	BCD	Chennai

Download CSV

5 rows selected.

Statement 16

Edit

```
SELECT * FROM car
```

REG_NO	MODEL_NAME	YEAR_P	COLOR
1	TATA	2000	White
2	Audi	2015	Yellow
3	BMW	2018	Black
4	Hyundai	2014	Blue
5	BMW	1998	Black

Download CSV

5 rows selected.

Statement 17

Edit

```
insert into participated values(01,1,10,14000)
```

1 row(s) inserted.

Statement 18

Edit

```
insert into participated values(02,2,15,18000)
```

1 row(s) inserted.

Statement 19

Edit

```
insert into participated values(03,3,28,20000)
```

1 row(s) inserted.

ORA-02291: integrity constraint (SQL_IOUCFDZPEZPLHFKBDQLNCWLQH.SYS_C0078155664) violated - parent key not found ORA-06512: at "SYS.DBMS_SQL", line 1721

Statement 21

Edit

```
insert into participated values(04,5,21,10000)
```

1 row(s) inserted.

Statement 22

Edit

```
insert into participated values(05,5,64,30000)
```

1 row(s) inserted.

Statement 23

Edit

```
insert into participated values(05,4,58,26000)
```

1 row(s) inserted.

Statement 24

Edit

```
insert into participated values(05,3,48,32000)
```

1 row(s) inserted.

Statement 25

Edit

```
SELECT * FROM participated
```

DRIVER_ID	REG_NO	REP_NO	DAMAGE_NO
1	1	10	14000
5	4	58	26000
3	3	28	20000
4	5	21	10000
5	3	48	32000
2	2	15	18000
5	5	64	30000

Download CSV

7 rows selected.

Statement 26

Edit

```
update participated set damage_no=25000 where rep_no=15
```

1 row(s) updated.

Statement 27

Edit

```
SELECT * FROM participated
```

1	1	10	14000
5	4	58	26000
3	3	28	20000
4	5	21	10000
5	3	48	32000
2	2	15	25000
5	5	64	30000

Download CSV

7 rows selected.

Statement **28**

Edit

```
insert into car values(7,'Lambo',2020,'Red')
```

1 row(s) inserted.

Statement **29**

Edit

```
select count(year_p) from car where model_name in ('BMW')
```

COUNT(YEAR_P)
2

Download CSV

Statement **30**

Edit

```
select * from car
```

REG_NO	MODEL_NAME	YEAR_P	COLOR
1	TATA	2000	White
2	Audi	2015	Yellow
3	BMW	2018	Black
4	Hyundai	2014	Blue
7	Lambo	2020	Red
5	BMW	1998	Black

Download CSV

6 rows selected.

Statement **31**

Edit

```
update car SET year_p=2021 where reg_no=4
```

1 row(s) updated.

Statement **32**

Edit

```
select * from car
```

2	Audi	2015	Yellow
3	BMW	2018	Black
4	Hyundai	2021	Blue
7	Lambo	2020	Red
5	BMW	1998	Black

Download CSV

6 rows selected.

Statement 33

Edit

```
select count(year_p) from car where model_name='BMW' and year_p<2009
```

COUNT(YEAR_P)
1

Download CSV

Statement 34

Edit

```
select d_name from person where d_name like '%LA%'
```

no data found

Statement 35

Edit

```
select * from participated where damage_no>10000 and damage_no<20000
```

DRIVER_ID	REG_NO	REP_NO	DAMAGE_NO
1	1	10	14000

Download CSV

Statement 36

Edit

```
select * from person where address in 'Mumbai' or 'Chennai'
```

ORA-00920: invalid relational operator

Statement 37

Edit

```
select * from person where address='Mumbai' or address='Chennai'
```

DRIVER_ID	D_NAME	ADDRESS
1	ABC	Mumbai
2	BCD	Chennai

Download CSV

2 rows selected.

Statement 38

Edit

```
select year_p from car order by year_p desc
```

2021
2020
2018
2015
2000
1998

Download CSV

6 rows selected.

Statement 39

Edit

```
select reg_no,model_name,driver_id from car,person
```

REG_NO	MODEL_NAME	DRIVER_ID
1	TATA	1
1	TATA	2
1	TATA	3
1	TATA	4
1	TATA	5
2	Audi	1
2	Audi	2
2	Audi	3
2	Audi	4
2	Audi	5
3	BMW	1
3	BMW	2
3	BMW	3
3	BMW	4
3	BMW	5
4	Hyundai	1
4	Hyundai	2
4	Hyundai	3
4	Hyundai	4
4	Hyundai	5
7	Lambo	1
7	Lambo	2
7	Lambo	3
7	Lambo	4
7	Lambo	5
5	BMW	1
5	BMW	2

5	BMW	5

Download CSV

30 rows selected.

Statement 40

Edit

```
delete * from car where year_p<2000
```

ORA-00903: invalid table name

Statement 41

Edit

```
delete from car where YEAR_P<=1999
```

ORA-02292: integrity constraint (SQL_IOUCFDZPEZPLHFKBDQLNCWLQH.SYS_C0078155665) violated - child record found ORA-06512: at "SYS.DBMS_SQL", line 1721

Statement 42

Edit

```
alter table car alter column year_p int null
```

ORA-01735: invalid ALTER TABLE option

Statement 43

Edit

```
alter table car modify year_p int null
```

Table altered.

Statement 44

Edit

```
delete from car where year_p is less than 2000
```

ORA-00908: missing NULL keyword

Statement 45

Edit

```
delete from car where year_p<=2000
```

ORA-02292: integrity constraint (SQL_IOUCFDZPEZPLHFKBDQLNCWLQH.SYS_C0078155665) violated - child record found ORA-06512: at "SYS.DBMS_SQL", line 1721

Statement 46

Edit

```
delete from car where year_p<=2000 and model_name=TATA
```

ORA-00904: "TATA": invalid identifier

Statement 47

Edit

```
delete from car where year_p<=2000 and model_name<>"TATA"
```

ORA-00904: "TATA": invalid identifier