

```
create user sumanth identified by sumanth123;
```

```
grant dba to sumanth;
```

```
create table person(
```

```
    driver_id char(10),
```

```
    Name char(20),
```

```
    address char(30)
```

```
);
```

```
create table car(
```

```
    reg_num char(10),
```

```
    model char(15),
```

```
    year int
```

```
);
```

```
create table owns(
```

```
    drive_id char(10),
```

```
    reg_num char(10)
```

```
);
```

```
create table accident(
```

```
    report_num int,
```

```
    accident_date char(15),
```

```
    location char(10)
```

```
);
```

```
create table participated(
```

```
    driver_id char(10),
```

```
    reg_num char(10),
```

```
    report_num int,
```

```
    damage_amount int,
```

```
    primary key(driver_id)
```

```
);
```

```
/**desc person;
```

```
desc car;  
desc accident;  
desc participated,**/
```

```
alter table person  
add primary key(driver_id);
```

```
alter table car  
add primary key(reg_num);
```

```
alter table owns  
add constraint pk_owns primary key(drive_id, reg_num);
```

```
ALTER TABLE owns  
ADD CONSTRAINT fk1_owns  
FOREIGN KEY (drive_id)  
REFERENCES person(driver_id);
```

```
ALTER TABLE owns  
ADD CONSTRAINT fk2_owns  
FOREIGN KEY (reg_num)  
REFERENCES car(reg_num);
```

```
alter table accident  
add primary key(report_num);
```

```
alter table participated  
add constraint pk_participated primary key(driver_id, reg_num, report_num);
```

```
ALTER TABLE participated  
ADD CONSTRAINT fk1_participated  
FOREIGN KEY (driver_id)  
REFERENCES person(driver_id);
```

```
ALTER TABLE participated
```

```
ADD CONSTRAINT fk2_participated
```

```
FOREIGN KEY (reg_num)
```

```
REFERENCES car(reg_num);
```

```
ALTER TABLE participated
```

```
ADD CONSTRAINT fk3_participated
```

```
FOREIGN KEY (report_num)
```

```
REFERENCES accident(report_num);
```

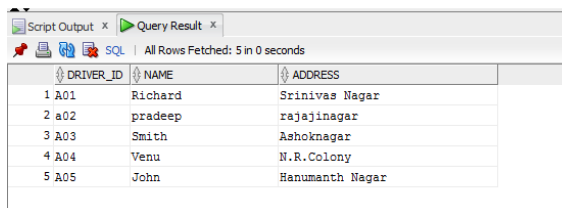
```
-- Person
```

```
insert into person values('&driver_id','&Name','&address');
```

```
commit;
```

```
select * from person;
```

```
--delete from person where Name = 'Richard';
```



The screenshot shows a database query result window with the following data:

DRIVER_ID	NAME	ADDRESS
1 A01	Richard	Srinivas Nagar
2 a02	pradeep	rajajinagar
3 A03	Smith	Ashoknagar
4 A04	Venu	N.R.Colony
5 A05	John	Hanumanth Nagar

```
-- Car
```

```
insert into car values('&reg_num','&model', &year);
```

```
commit;
```

```
select * from car;
```

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

Start Page cse075.sql bmsce

Worksheet Query Builder

```

FOREIGN KEY (report_num)
REFERENCES accident(report_num);

insert into person values('&driver_id','&Name','&address');
commit;
select * from person;
--delete from person where Name = 'Richard';

insert into car values('&reg_num','&model', &year);
commit;
select * from car;

```

Script Output Query Result

SQL All Rows Fetched: 5 in 0 seconds

	REG_NUM	MODEL	YEAR
1	KA052250	Indica	1990
2	KA031181	Lancer	1957
3	KA095477	Toyota	1998
4	KA053408	Honda	2008
5	KA041702	Audi	2005

Activate Windows
Go to PC settings to activate Windows.

Click on an identifier with the Control key down to perform "Go to Declaration"

Line 87 Column 19 | Insert | Modified | Windows: CI

10:22

-- ACCIDENT

```
insert into accident values(&report_num,'&accident_date','&location');
```

```
commit;
```

```
select * from accident;
```

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

Start Page cse075.sql bmsce

Worksheet Query Builder

```

commit;
select * from car;

-- ACCIDENT
insert into accident values(&report_num,'&accident_date','&location');
commit;
select * from accident;

--OWNS
insert into owns values ('&drive_id','&reg_num');

```

Script Output Query Result

SQL All Rows Fetched: 5 in 0.016 seconds

	REPORT_NUM	ACCIDENT_DATE	LOCATION
1	11	01-JAN-03	Mysore
2	12	02-FEB-04	Southend
3	13	21-JAN-03	Bulltem
4	14	17-FEB-08	Mysor
5	15	04-MAR-05	Kanakp

Activate Windows
Go to PC settings to activate Windows.

Click on an identifier with the Control key down to perform "Go to Declaration"

Line 95 Column 24 | Insert | Modified | Windows: CI

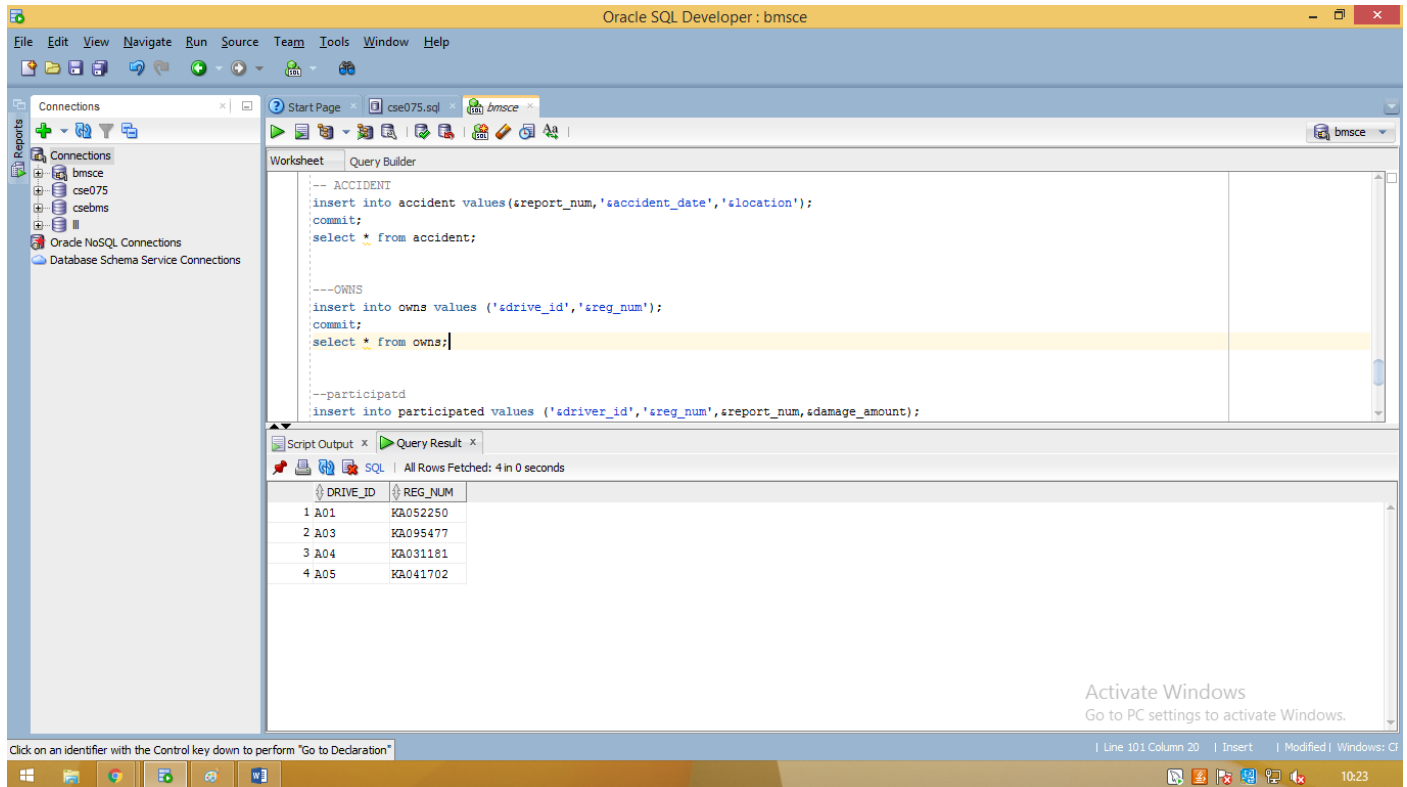
10:22

---OWNS

insert into owns values ('&drive_id','®_num');

commit;

select * from owns;



--participatd

insert into participated values ('&driver_id','®_num',&report_num,&damage_amount);

commit;

select * from participated;

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

- bmsce
- cse075
- csebms
- Oracle NoSQL Connections
- Database Schema Service Connections

Worksheet

```

select * from owns;

--participatd
insert into participated values ('&driver_id','&reg_num','&report_num','&damage_amount');
commit;
select * from participated;

```

Script Output x Query Result x

SQL | All Rows Fetched: 4 in 0 seconds

	DRIVER_ID	REG_NUM	REPORT_NUM	DAMAGE_AMOUNT
1	A01	KA052250	11	10000
2	A03	KA095477	13	25000
3	A04	KA031181	14	3000
4	A05	KA041702	15	5000

Activate Windows
Go to PC settings to activate Windows.

Click on an identifier with the Control key down to perform "Go to Declaration"

Line 107 Column 28 | Insert | Modified | Windows: C

10:23

```

insert into accident values(16,'15-MAR-08','Domlur');

select * from accident;

```

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

- bmsce
- cse075
- csebms
- Oracle NoSQL Connections
- Database Schema Service Connections

Worksheet

```

select * from owns;

--participatd
insert into participated values ('&driver_id','&reg_num','&report_num','&damage_amount');
commit;
select * from participated;

update participated set damage_amount=25000 where reg_num='KA052250' and report_num=12;

insert into accident values(16,'15-MAR-08','Domlur');
select * from accident;

```

Script Output x Query Result x

SQL | All Rows Fetched: 6 in 0 seconds

	REPORT_NUM	ACCIDENT_DATE	LOCATION
1	11 01-JAN-03	Mysore	
2	12 02-FEB-04	Southend	
3	13 21-JAN-03	Bullitem	
4	14 17-FEB-08	Mysor	
5	15 04-MAR-05	Kanakp	
6	16 15-MAR-08	Domlur	

Activate Windows
Go to PC settings to activate Windows.

Click on an identifier with the Control key down to perform "Go to Declaration"

Line 112 Column 1 | Insert | Modified | Windows: C

10:27

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

- bmsce
- cse075
- csebms
- Oracle NoSQL Connections
- Database Schema Service Connections

Worksheet

```
update participated set damage_amount=25000 where reg_num='KA052250' and report_num=12;

insert into accident values(16,'15-MAR-08','Domlur');
select * from accident;

select count(*) as "total" from car where year like '%08';
```

Script Output x Query Result x

SQL | All Rows Fetched: 1 in 0 seconds

total
1

Activate Windows
Go to PC settings to activate Windows.

Saved: bmsce | Line 118 Column 1 | Insert | Modified | Windows: CF

10:30

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

- bmsce
- cse075
- csebms
- Oracle NoSQL Connections
- Database Schema Service Connections

Worksheet

```
update participated set damage_amount=25000 where reg_num='KA052250' and report_num=12;

insert into accident values(16,'15-MAR-08','Domlur');
select * from accident;

select count(*) as "total" from car where year like '%08';

select count(*) from participated, car where participated.reg_num = car.reg_num and car.reg_num = 'KA031181';
```

Script Output x Query Result x

SQL | All Rows Fetched: 1 in 0 seconds

COUNT(*)
1

Activate Windows
Go to PC settings to activate Windows.

Saved: bmsce | Line 121 Column 1 | Insert | Modified | Windows: CF

10:32

Oracle SQL Developer : bmsce

File Edit View Navigate Run Source Team Tools Window Help

Connections

- Connections
 - bmsce
 - cse075
 - csebms
 - Oracle NoSQL Connections
 - Database Schema Service Connections

Worksheet

```
update participated set damage_amount=25000 where reg_num='KA052250' and report_num=12;

insert into accident values(16,'15-MAR-08','Domlur');
select * from accident;

select count(*) as "total" from car where year like '%08';

select count(*) from participated, car where participated.reg_num = car.reg_num and car.reg_num = 'KA031181';

select max(damage_amount) from participated;
```

Script Output x Query Result x

SQL | All Rows Fetched: 1 in 0 seconds

MAX(DAMAGE_AMOUNT)	
1	25000

Activate Windows
Go to PC settings to activate Windows.

Saved: bmsce | Line 123 Column 1 | Insert | Modified | Windows: C

10:33