

```
SQL> create table customer(cust_id NUMBER(4) NOT NULL, sale_date DATE,
sale_amount NUMBER(10), salesperson VARCHAR2(20) NOT NULL, store_state
VARCHAR2(20), order_id VARCHAR(10) NOT NULL);
```

Table created.

```
SQL> insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id');
Enter value for cust_id: 1001
Enter value for sale_date: 07-jan-2020
Enter value for sale_amount: 1200
Enter value for salesperson: Raj K
Enter value for store_state: KA
Enter value for oder_id: 1001
old 1: insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id')
new 1: insert into customer values ('1001', '07-jan-2020', '1200', 'Raj K',
'KA', '1001')
```

1 row created.

```
SQL> insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id');
Enter value for cust_id: 1002
Enter value for sale_date: 18-jan-2020
Enter value for sale_amount: 1400
Enter value for salesperson: Annanya
Enter value for store_state: KA
Enter value for oder_id: 1002
old 1: insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id')
new 1: insert into customer values ('1002', '18-jan-2020', '1400', 'Annanya',
'KA', '1002')
```

1 row created.

```
SQL> insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id');
Enter value for cust_id: 1003
Enter value for sale_date: 21-jan-2020
Enter value for sale_amount: 1300
Enter value for salesperson: Ismail
Enter value for store_state: NULL
Enter value for oder_id: 1003
old 1: insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id')
new 1: insert into customer values ('1003', '21-jan-2020', '1300', 'Ismail',
'NULL', '1003')
```

1 row created.

```
SQL> insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id');
Enter value for cust_id: 1004
Enter value for sale_date: 26-jan-2020
Enter value for sale_amount: 3100
Enter value for salesperson: Pannanya
Enter value for store_state: ZX
Enter value for oder_id: 1004
old 1: insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id')
new 1: insert into customer values ('1004', '26-jan-2020', '3100', 'Pannanya',
'ZX', '1004')
```

1 row created.

```
SQL> insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id');
Enter value for cust_id: 1005
Enter value for sale_date: 29-jan-2020
Enter value for sale_amount: 4500
Enter value for salesperson: Mannanya
Enter value for store_state: CO
Enter value for oder_id: 1005
old 1: insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id')
new 1: insert into customer values ('1005', '29-jan-2020', '4500', 'Mannanya',
'CO', '1005')
```

1 row created.

```
SQL> grant select on customer to RA1911030010050;
```

Grant succeeded.

```
SQL> select * from RA1911030010050.customer;
```

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1001	101	23-MAY-20	1200	Raj K	KA
1002	101	22-MAY-20	1200	M K	NULL
1003	102	23-MAY-20	1200	Mallika Rakesh	MH

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1004	103	22-MAY-20	1500	Mallika Rakesh	MH

```
SQL> revoke select on customer from RA1911030010050;
```

Revoke succeeded.

```
SQL> select * from RA1911030010050.customer;
```

```
select * from RA1911030010050.customer
*
```

ERROR at line 1:

ORA-00942: table or view does not exist

```
SQL> insert into customer values ('&cust_id', '&sale_date', '&sale_amount',
'&salesperson', '&store_state', '&oder_id');
Enter value for cust_id: 1008
Enter value for sale_date: 19-jan-2020
Enter value for sale_amount: 8000
Enter value for salesperson: Fannanya
```

Enter value for store\_state: JK

Enter value for oder\_id: 1008

old 1: insert into customer values ('&cust\_id', '&sale\_date', '&sale\_amount', '&salesperson', '&store\_state', '&oder\_id')

new 1: insert into customer values ('1008', '19-jan-2020', '8000', 'Fannanya', 'JK', '1008')

1 row created.

SQL> commit;

Commit complete.

SQL> select \* from customer;

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1001	1001	07-JAN-20	1200	Raj K	KA
1002	1002	18-JAN-20	1400	Annanya	KA
1003	1003	21-JAN-20	1300	Ismail	NULL

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1004	1004	26-JAN-20	3100	Pannanya	ZX
1005	1005	29-JAN-20	4500	Mannanya	CO
1008	1008	19-JAN-20	8000	Fannanya	JK

6 rows selected.

SQL> delete from customer where store\_state='KA' and cust\_id='1001';

1 row deleted.

SQL> select \* from customer;

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1002	1002	18-JAN-20	1400	Annanya	KA
1003	1003	21-JAN-20	1300	Ismail	NULL
1004	1004	26-JAN-20	3100	Pannanya	ZX

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1005	1005	29-JAN-20	4500	Mannanya	CO
1008	1008	19-JAN-20	8000	Fannanya	JK

SQL> rollback;

Rollback complete.

SQL> select \* from customer;

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1001	1001	07-JAN-20	1200	Raj K	KA
1002	1002	18-JAN-20	1400	Annanya	KA
1003	1003	21-JAN-20	1300	Ismail	NULL

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
ORDER_ID					
1004	1004	26-JAN-20	3100	Pannanya	ZX
1005	1005	29-JAN-20	4500	Mannanya	CO
1008	1008	19-JAN-20	8000	Fannanya	JK

6 rows selected.

SQL> savepoint sp1;

Savepoint created.

SQL> delete from customer where store\_state='KA' and cust\_id='1001';

1 row deleted.

SQL> savepoint sp2;

Savepoint created.

SQL> select \* from customer;

	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
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ORDER_ID	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
1002	1002	18-JAN-20	1400	Annanya	KA
1003	1003	21-JAN-20	1300	Ismail	NULL
1004	1004	26-JAN-20	3100	Pannanya	ZX

ORDER_ID	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
1005	1005	29-JAN-20	4500	Mannanya	CO
1008	1008	19-JAN-20	8000	Fannanya	JK

SQL> rollback to sp1;

Rollback complete.

SQL> select \* from customer  
2 ;

ORDER_ID	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
1001	1001	07-JAN-20	1200	Raj K	KA
1002	1002	18-JAN-20	1400	Annanya	KA
1003	1003	21-JAN-20	1300	Ismail	NULL

ORDER_ID	CUST_ID	SALE_DATE	SALE_AMOUNT	SALESPERSON	STORE_STATE
1004	1004	26-JAN-20	3100	Pannanya	ZX
1005	1005	29-JAN-20	4500	Mannanya	CO
1008	1008	19-JAN-20	8000	Fannanya	JK

6 rows selected.

SQL> spool exit;