

Experiment No 5
Implementation of DCL

Commit

```

Name                                     Null?   Type
-----
C_ID                                     NUMBER(10)
C_NAME                                  VARCHAR2(20)
C_ADDRESS                              VARCHAR2(20)
C_SALARY                               NUMBER(10)

SQL> insert into customer values (1,'Harry','UK',50000);
1 row created.

SQL> insert into customer values (2,'Hermoine','Paris',70000);
1 row created.

SQL> insert into customer values (3,'Ron','UK',70000);
1 row created.

SQL> insert into customer values (4,'Draco','UK',60000);
1 row created.

SQL> insert into customer values (5,'Ginny','London',30000);
1 row created.

SQL> commit
2
;

Commit complete.

SQL> select * from customer;

   C_ID C_NAME      C_ADDRESS      C_SALARY
-----
     1 Harry        UK              50000
     2 Hermoine    Paris           70000
     3 Ron         UK              70000
     4 Draco       UK              60000
     5 Ginny       London          30000

```

Savepoint

```

SQL> insert into customer values (6,'Neville','Leeds',25000);
1 row created.

SQL> insert into customer values (7,'Luna','Ireland',32000);
1 row created.

SQL> savepoint cast;

Savepoint created.

SQL> select * from customer;

   C_ID C_NAME      C_ADDRESS      C_SALARY
-----
     1 Harry        UK              50000
     2 Hermoine    Paris           70000
     3 Ron         UK              70000
     4 Draco       UK              60000
     5 Ginny       London          30000
     6 Neville     Leeds           25000
     7 Luna        Ireland         32000

7 rows selected.

```

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Rollback to Savepoint

```
SQL> insert into customer values (8,'JK','Yate',100000);
1 row created.
SQL> select * from customer;
  C_ID C_NAME      C_ADDRESS      C_SALARY
-----
    1 Harry        UK              50000
    2 Hermione    Paris           70000
    3 Ron          UK              70000
    4 Draco        UK              60000
    5 Ginny        London          30000
    6 Neville      Leeds           25000
    7 Luna         Ireland         32000
    8 JK          Yate           100000
8 rows selected.
SQL> rollback to cast;
Rollback complete.
SQL> select * from customer;
  C_ID C_NAME      C_ADDRESS      C_SALARY
-----
    1 Harry        UK              50000
    2 Hermione    Paris           70000
    3 Ron          UK              70000
    4 Draco        UK              60000
    5 Ginny        London          30000
    6 Neville      Leeds           25000
    7 Luna         Ireland         32000
7 rows selected.
```

Rollback

```
SQL> select * from customer;
  C_ID C_NAME      C_ADDRESS      C_SALARY
-----
    1 Harry        UK              50000
    2 Hermione    Paris           70000
    3 Ron          UK              70000
    4 Draco        UK              60000
    5 Ginny        London          30000
    6 Neville      Leeds           25000
    7 Luna         Ireland         32000
7 rows selected.
SQL> rollback;
Rollback complete.
SQL> select * from customer;
  C_ID C_NAME      C_ADDRESS      C_SALARY
-----
    1 Harry        UK              50000
    2 Hermione    Paris           70000
    3 Ron          UK              70000
    4 Draco        UK              60000
    5 Ginny        London          30000
SQL>
```