#### Lab 6

#### 1) Backup using rman.

Steps involved while using rman for back:

**Step 1:** Goto bin folder of setup file and open cmd from that location.

Step 2: Give command as below as show in screenshot

...\bin>rman target/

```
E:\DBA\WINDOWS.X64_193000_db_home\bin>rman target/

Recovery Manager: Release 19.0.0.0.0 - Production on Fri Dec 17 07:33:40 2021

Version 19.3.0.0.0

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connected to target database: MERODB (DBID=2207720884)
```

#### RMAN> backup database;

If database is in NOARCHIVELOG mode than we need to shutdown it immediately using following command

#### RMAN> shutdown immediate;

```
RMAN> shutdown immediate;

database closed
database dismounted
Oracle instance shut down
```

#### RMAN> startup mount;

```
RMAN> startup mount;

connected to target database (not started)
Oracle instance started
database mounted

Total System Global Area 1677719744 bytes

Fixed Size 9267392 bytes
Variable Size 956301312 bytes
Database Buffers 764643072 bytes
Redo Buffers 7507968 bytes
```

## RMAN> backup database;

NOTE: we can also give some tag to backup data using command as backup database tag 'you\_special\_name\_here';

```
Starting backup database;

Starting backup at 17-DEC-21
allocated channel: ORA_DISK_1: SID-39 device type-DISK
channel ORA_DISK_1: Starting in detail is backup set
input datafile file number-000001 name-citORALORAMANAINEROORINATATIEVOI_PM_SYSTER_DYMOWNEL_ORE
input datafile file number-000000 name-citORALORAMANAINEROORINATATIEVOI_PM_SYSTER_DYMOWNEL_ORE
input datafile file number-000000 name-citORALORAMANAINEROORINATATIEVOI_PM_SYSTER_DYMOTYS3_DEF
input datafile file number-0000000 name-citORALORAMANAINEROORINATATIEVOI_PM_SYSTER_DYMOTYS3_DEF
channel ORA_DISK_1: starting piece 1 at 17-DEC-21
channel ORA_DISK_1: starting full datafile backup set
channel ORA_DISK_1: starting full datafile backup set
channel ORA_DISK_1: starting full datafile backup set
input datafile file number-000000 name-citORALORAMANAINEROORINATATIEVOI_PM_SHOORINATATIEVOI_PM_SYSTER_DYMOTORIN_DEF
input datafile file number-000000 name-citORALORAMANAINEROORINATATIEVOI_PM_SHOORINATATIEVOI_PM_SYSTER_DYMOTORIN_ORF
input datafile file number-000000 name-citORALORAMANAINEROORINATATIEVOI_PM_SHOORINATATIEVOI_PM_SYSTER_DYMOTORIN_ORF
input datafile file number-000001 name-citORALORAMANAINEROORINATATIEVOOI_PM_SHOORINATATIEVOI_PM_SUSTER_DYMOTORIN_ORF
input datafile file number-000001 name-citORALORAMANAINEROORINATATIEVOOI_PM_SHOORINATATIEVOI_PM_SUSTER_DYMOTORIN_ORF
input datafile file number-000001 name-citORALORAMANAINEROORINATATIEVOI_PM_SHOORINATATIEVOI_PM_SUSTER_DYMOTORIN_DEF
input datafile file number-000001 name-citORALORAMANAINEROORINATATIEVOI_PM_SHOORINATATIEVOI_PM_SUSTER_DYMOTORIN_DEF
input datafile file number-000001 name-citORALORAMANAINEROORINATATIEVOI_PM_SUSTER_DYMOTORINATATIEVOI_PM_SUSTER_DYMOTORINATATIEVOI_PM_SUSTER_DYMOTORINATATIEVOI_PM_SUSTER_DYMOTORINATATIEVOI_PM_SUSTER_DYMOTORINATATIEVOI_PM_SUSTER_DYMOTORINATATIEVOI_PM_SUSTER
```

## RMAN> list backup;

## RMAN> alter database open;

```
RMAN> alter database open;
Statement processed
```

# 2) To be familiarize with stored procedure.

```
Query:
CREATE OR REPLACE PROCEDURE greetings
AS
BEGIN
      DBMS_OUTPUT.PUT_LINE('Hello world');
END;
Output:
Procedure GREETINGS compiled
Query to execute above procedure:
execute greetings;
Output:
Connecting to the database ORCL2.
Hello World
Process exited.
Disconnecting from the database ORCL2.
NOTE: we can also write exec in place of execute
Next example:
CREATE OR REPLACE PROCEDURE selected customers
IS
BEGIN
      UPDATE customers
      SET first_name='Ram'
      WEHRE customer_id=6;
END;
```

## **Output:**

Procedure SELECTEDCUSTOMERS compiled

Query to execute above procedure:

exec selectedcustomers;

# **Conclusion and discussion:**

Hence, we are able to backup database using rman and also become familiarize with stored procedure.