Date : 30/9/25

Task 9: Backing up and recovery in database

Aim : To implement the backing up and recovery for employee database.

Perform following backup and recovery scenarios:

a) Recovering a NoArchivevlog
b) Restoring the server parameter file
c) Performing Recovery with a Backup control file.

1. No archivelog recovery with incrementals.

Sql
SHUTDOWN IMMEDIATE;
STARTUP MOUNT;
BACKUP INCREMENTAL LEVEL0 DATABASE
TAG 'EMP-L0'
    FORMAT '/U02/backup/
empdb-l0 -- /.T.bKP ';
SHUTDOWN IMMEDIATE

2. Make level -1 differential backup.

TAG 'EMP-L1'
    FORMAT '/u02/backup1
empdb_11_%.T.bkp
SHUTDOWN IMMEDIATE!

3. Simulate media failure

4. Restore and apply the incremental, telling RMAN not to expect redo.

Sql:
STARTUP MOUNT;

RUN{
    Restore Database TAG 'Emp-L0'
    Recover Database NOREDO TAG
    'EMP-L1';
    .3
    ALTER DATABASE OPEN RESETLOGS.

Restoring the server parameter.

1. Lose or corrupt the SPFILE.

2. Start the instance with a dummy parameter file

Recovery with a backup control file
1. Create an explicit backup of the current control file before disaster sal.

Backup current control file TAG 'EMP-CTL'
   FORMAT '/UO2/backup/ empdb-ctl-√.T.bkp')

2. After control file loss, restore and mount it.

Recover Database using Backup CONTROLFILE UNTIL CANCEL
ALTER DATABASE OPEN RESETLOGS:

Result:
   Thus the Implementation of Backup and recovery of employee database successfully completed.