**Doing full backup for CDB and restoring**

1. **Make sure that DB is up and running**
2. **Login to RMAN**

**rman target=/**

1. **In order to see any available backup, do this**

**list backup of database;**

1. **To list the any archived logs files, do this**

**list archivelog all;**

**note: if you did not find any files this mean no redo logs switch happened, the redo logs still no filled yet.**

1. **Now we will do this command**

**backup database plus archivelog;**

1. **Make sure from the backup**

**list backup of database;**

**note: the backup contains backup sets**

**each set contains pieces**

1. **Use this to list the control file**

**list backup of controlfile;**

1. **Use this to list the spfile**

**list backup of spfile;**

1. **Let us do some transactions in pluggable database orclpdb**

**Then we restore that backup : )**

**Follow with me**

1. **Restore the backup**

**RUN**

**{**

**SHUTDOWN IMMEDIATE;**

**STARTUP MOUNT;**

**RESTORE DATABASE;**

**RECOVER DATABASE;**

**ALTER DATABASE OPEN;**

**}**

1. **Make sure that all changes that you did has been restored**

**Yes: this mean the restoring will get the archived log that has been generated after the backup time.**

**Congratulation: you are expert now:)**