## Deleting SYSTEM datafile:

```
[oracle@localhost ORCL2]$ cd datafile/
[oracle@localhost datafile]$ ls -ltr
total 1853684
-rw-r-----. 1 oracle oinstall 33562624 Oct 28 06:03 o1_mf_temp_lmslnnyz_.tmp
-rw-r----. 1 oracle oinstall 5251072 Oct 28 09:34 o1 mf users lmslly73 .dbf
-rw-r----. 1 oracle oinstall 954212352 Oct 28 11:25 o1 mf_system lmslhqn2_.dbf
-rw-r----. 1 oracle oinstall 576724992 Oct 28 11:30 o1_mf_system_lmslksdh_.dbf
-rw-r-----. 1 oracle oinstall 335552512 Oct 28 11:30 o1_mf_undotbs1_lmsllx0v_.dbf
[oracle@localhost datafile]$ rm o1_mf_system_lmslhqn2_.dbf
```

Change the state of the database to mount, or nomount, or shutdown before you restore the tablespaces or datafiles.

```
SQL> SHUTDOWN IMMEDIATE;

SQL> STARTUP MOUNT; or

SQL> STARTUP NOMOUNT;
List SYSTEM backup:
```

RMAN> list backup of tablespace system;

```
RMAN> restore datafile 1;
```

## Check physical restore :

```
[oracle@localhost datafile]$
[oracle@localhost datafile]$ ls -ltr

total 1853684

-rw-r----. 1 oracle oinstall 33552624 Oct 28 06:03 o1 mf temp_lmslnnyz_.tmp

-rw-r----. 1 oracle oinstall 5251072 Oct 28 09:34 o1_mf_users_lmslly73_.dbf

-rw-r----. 1 oracle oinstall 576724992 Oct 28 11:39 o1 mf_sysaux_lmslksdh_.dbf

-rw-r----. 1 oracle oinstall 335552512 Oct 28 11:39 o1 mf_undotb51 insllx@v_.dbf

-rw-r----. 1 oracle oinstall 954212352 Oct 28 11:51 o1 mf_system_lmtcho35_.dbf

[oracle@localhost_datafile]$
```

```
SQL>
select
file#,checkpoint_change#, status, recover
from
v$datafile header;
```

```
RMAN> select
file#,checkpoint_change#, status, recover
from
v$datafile_header;2> 3> 4>

FILE# CHECKPOINT_CHANGE# STATUS REC

1 2297973 ONLINE
3 2301012 ONLINE NO
4 2301012 ONLINE NO
7 2301012 ONLINE NO
```

From checkpoint number 2297973to 2301012, he needs to recover the file. He attempts to recover and check the status of the file again:

```
(Consider first one is yes)
```

RMAN> recover datafile 1;

```
RMANP recover datafile 1;

Starting recover at 28-0CT-23 using channel ORA DISK 1 using channel ORA DISK 1 using channel ORA DISK 1 using channel ORA DISK 2 starting media recovery

archived log for thread 1 with sequence 9 is already on disk as file /w01/app/oracle/fast recovery_area/ORCL2/archivelog/2023_10_28/ol_mf_1_9_lmt3gos5_arc archived log for thread 1 with sequence 10 is already on disk as file /w01/app/oracle/fast_recovery_area/ORCL2/archivelog/2023_10_28/ol_mf_1_10_lmt3goss_arc archived log for thread 1 with sequence 11 is already on disk as file /w01/app/oracle/fast_recovery_area/ORCL2/archivelog/2023_10_28/ol_mf_1_1l_lmt3goo8_arc archived log file names/w01/app/oracle/fast_recovery_area/ORCL2/archivelog/2023_10_28/ol_mf_1_9_lmt3gos5_arc thread=1 sequence=9

archived log file names/w01/app/oracle/fast_recovery_area/ORCL2/archivelog/2023_10_28/ol_mf_1_10_lmt3goo8_arc thread=1 sequence=10

archived log file names/w01/app/oracle/fast_recovery_area/ORCL2/archivelog/2023_10_28/ol_mf_1_11_lmt3goo8_arc thread=1 sequence=10

Broad-Control of the control of the
```

SQL> select

checkpoint\_change#, status, recover FROM v\$datafile\_header;

```
RMAN> select
file#,checkpoint_change#, status, recover
from
v$datafile_header;2> 3> 4>

FILE# CHECKPOINT_CHANGE# STATUS REC

1 2297973 ONLINE
3 2301012 ONLINE NO
4 2301012 ONLINE NO
7 2301012 ONLINE NO
```

No REC yes.

RMAN> alter database open;2>
Statement processed
_RMAN>
**************************************
As can be seen, the recover=YES status of the file has been changed to NO, and the file is in sync with the rest of the files as well. Now Bob is ready to open the database safely as follows:
SQL> select open_mode from v\$database;
OPEN_MODE
READ WRITE
5QL>
**************************************