

2) Topic:- Recovering Data Block Using RMAN:-

```
SQL> grant dba to user identified by user;  
SQL> conn user/user;  
SQL> create table tbl_corruption (id number);  
SQL> insert into tbl_corruption values (1);  
SQL> commit;  
SQL> exit;
```

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```
$ rman target /  
RMAN> backup database plus archivelog;  
RMAN> exit
```

\$ surplus ~~for sysdba~~ user/user

```
SQL> select header_block from dba_segments where  
segment_name = 'TBL_CORRUPTION';  
      (next block = 54)  
SQL> select a.name from v$datafile, dba_segments b  
where a.file# = b.header_file and b.segment_name  
= 'TBL_CORRUPTION';  
      (show the datafile).
```

```
SQL> exit
```

Now we will corrupt the datafile,

```
$ dd of = /vol/ - < (file data location (path)) .dbf
```

```
bs = 8192 conv = notrunc seek = 60 << EOF
```

↓
(next header block no)

X testing corruption
> EOF
or

\$ sqlplus / as sysdba user/user

SQL> alter sys flush tbl_corruption;

SQL> alter system flush buffer_cache;

SQL> select * from tbl_corruption;

(error)

ORA-01578: ORACLE data block corrupted

(file#, block#)

SQL> exit

\$ rman target /

RMAN> blockrecover datafile 4 block 60;

< finished block recover

RMAN> exit

\$ sqlplus / as sysdba

\$ sqlplus user/user

SQL> select header_block from dba_segments where

segment_name = 'TBL_CORRUPTION';

header_block:
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SQL> select * from tbl_corruption;