

Optimization

```
ANALYZE TABLE <table> ESTIMATE
STATISTICS [SAMPLE # ROWS|PERC-
ENT];
Execute DBMS_UTILITY.ANALYZE_SCH-
EMA('<name>','COMPUTE');
ANALYZE TABLE <table> DELETE
STATISTICS;
```

Index types

B-Tree Best used on foreign keys and small selections

```
CREATE INDEX <index-
name> ON <table> ;
```

Compressed Only used on several columns indexes

```
CREATE [UNIQUE]
INDEX <indexname> ON
<table> COMPRESS;
```

Bitmap Used on columns with recurrent values

```
CREATE BITMAP INDEX
<indexname> ON <table>
(column) STORAGE
(INITIAL #K NEXT #K);
```

Reversed Key When the last values are the more important

```
CREATE INDEX
UNIQUE <indexname>
ON <table>(column);
```

```
ALTER INDEX REBUILD [REVERSE|ONL-
INE|COMPRESS]; can also be used to
modify the type.
```

Boot/Shutdown

```
STARTUP;          SHUTDOWN;
(assumes startup
open)
STARTUP          SHUTDOWN
MOUNT;          IMMEDIATE; (disco-
nnects users)
STARTUP OPEN;
```

Tablespace

```
CREATE TABLESPACE <name>
DATAFILE </path/to/datafile> SIZE #K|M
AUTOEXTEND ON
SEGMENT SPACE MANAGEMENT AUTO
EXTENT MANAGEMENT LOCAL
UNIFORM SIZE #K|M;
```

* A table space is a logical storage unit. It can handle tables and data.

RMAN

```
RMAN TARGET=[user/pass@]<basenam-
e>;
```

BACKUP [HOW] WHAT [OPTION];

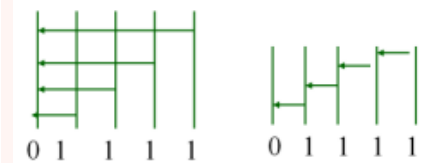
```
ex: BACKUP DATABASE PLUS
ARCHIVELOG DELETE INPUT;
```

info:RMAN is launched from the OS CLI and assumes SYSDBA as default user.

RMAN - options

```
INCREMENTAL LEVEL [0|1]
VALIDATE
DATABASE
TABLESPACE <name>
DATAFILE <name>
CURRENT CONTROLFILE
ARCHIVELOG <name>
NOT BACKED UP [since]
```

RMAN - incremental levels



Level 0

Level 1

Level 0 does a full backup since the last complete backup. A level 1 does it since the last incremental backup.

OBEY



By [Hubert \(monsieur_h\)](#)
cheatography.com/monsieur-h/

Not published yet.
 Last updated 12th May, 2016.
 Page 1 of 1.

Sponsored by [Readable.com](#)
 Measure your website readability!
<https://readable.com>