

Oracle Database Basic Command

Alter

Application:

Altering a users password, making changes to a table or column.

Change Password:

```
ALTER user username IDENTIFIED BY newpassword
```

Example

```
ALTER USER tony IDENTIFIED BY cereal
```

Adding a column:

```
ALTER TABLE tablename ADD column name datatype
```

Example:

```
ALTER TABLE project ADD names varchar2(25)
```

Commit

Application:

Commit data to a database table.

Save inserted data

Commit

Constraints

Application:

Allows for the creation of column constraints such as Primary and Foreign keys.

Create Primary Key

```
CONSTRAINT constraint name_pk PRIMARY KEY
```

Example

```
CONSTRAINT cd_cd_id_pk PRIMARY KEY (cd_id)
```

{NOTE: this is the format when using at the end of you column declarations in a CREATE Table statement)

Create a Foreign Key

```
CONSTRAINT constraint name_fk REFERENCEStablename(primary key)
```

Example

```
CONSTRAINT cd_cd_id_fk REFERENCES cd(cd_id)
```

{NOTE: this is the format when using at the end of you column declarations in a CREATE Table statement)

ADD a PRIMARY Key Constraint (after table created)

```
ALTER TABLE tablename
```

ADD CONSTRAINT *constraint name* PRIMARY KEY (*column name*)

Example

ALTER TABLE cd

ADD CONSTRAINT cd_cd_id_pk PRIMARY KEY(cd_id);

Add a FOREIGN KEY Constraint (after table created)

ALTER TABLE *tablename*

ADD CONSTRAINT *constraint name* REFERENCES*table*(*column name*)

Example

ALTER TABLE cd

ADD CONSTRAINT cd_cd_id_fk REFERENCES cd(cd_id);

Create

Application:

Creates a table, view, index, sequence, user etc. in the database.

Create Table

CREATE TABLE *tablename* (*data definition*)

Example:

CREATE TABLE project (name varchar2(25), activity varchar2(30))

Create View

CREATE VIEW *viewname* (*column names*) AS SELECT *select statement*

Example:

CREATE VIEW report (Names, Addresses) AS SELECT Select name, address FROM book

Delete

Application:

Delete a record from a table.

Delete record

DELETE FROM *tablename* WHERE *search condition*

Example:

DELETE FROM project WHERE projid = 21

Drop

Application:

Drop a table or view from a database.

Drop Table

DROP TABLE *tablename*

Example

DROP TABLE projects

Drop View

DROP VIEW *view name*

Example

DROP VIEW lowscores

Insert

Application:

Insert records into a table.

Insert record

INSERT INTO table (columns1, column2....) VALUES (value1, value2...)

Example

INSERT INTO project (name, activity) VALUES (building, construction)

Modify

Application:

Modify a column in a table.

Modify a column in a table

ALTER TABLE *tablename* MODIFY *column name* *new data definition*

Example:

ALTER project MODIFY (name varchar2(50))

Rename

Application:

Renames a table.

Rename table

RENAME *oldtablename* TO *new tablename*

Example:

RENAME projects99 TO projects2000