

DYNAMIC SQL:

- DYNAMIC SQL IS A PROGRAMMING TECHNIQUE TO BUILD SQL STATEMENTS AT RUNTIME.

EX:

DROP TABLE EMP; ----->STATIC

EX:

TNAME = '&TNAME '

DROP TABLE TNAME; -----> DYNAMIC

- DYNAMIC SQL IS USEFULL WHEN WE DON'T KNOW TABLE NAME, COLUMN NAME UNTILL RUNTIME.

- DYNAMIC SQL COMMANDS (DDL, DML, DQL, DCL) CAN BE EXECUTED BY USING "EXECUTE IMMEDIATE" STATEMENT.

EXECUTE IMMEDIATE:

- THIS STATEMENT IS USED TO EXECUTE DDL COMMANDS (OR) DYNAMIC SQL COMMAND.

SYNTAX:

EXECUTE IMMEDIATE 'DYNAMIC SQL COMMAND';

EX:

CREATE A STORED PROCEDURE TO DROP A TABLE AT RUNTIME?

SOL:

CREATE OR REPLACE PROCEDURE DROP_TABLE (N IN VARCHAR2)

IS

BEGIN

EXECUTE IMMEDIATE 'DROP TABLE '||' '||N;

END;

/

TESTING:

EXECUTE DROP_TABLE('TEST');

(OR)

CREATE OR REPLACE PROCEDURE DROP_TABLE (N IN VARCHAR2)

IS

BEGIN

EXECUTE IMMEDIATE 'DROP TABLE '||' '||N||' '||'PURGE';

END;

TESTING:

EXECUTE DROP_TABLE('TEST');

EX:

**CREATE A STORED PROCEDURE TO DROP ANY OBJECT AT
RUNTIME?**

EX:

DROP TABLE <TABLE NAME>;

DROP VIEW <VIEW NAME>;

DROP SEQUENCE <SEQUENCE NAME>;

DROP INDEX <INDEX NAME>;

DROP SYNONYM <SYNONYM NAME>;

SOL:

**CREATE OR REPLACE PROCEDURE DROP_OBJ (T IN VARCHAR2,N
IN VARCHAR2)**

IS

BEGIN

EXECUTE IMMEDIATE 'DROP'||' '||T||' '||N;

END;

/

TESTING:

EXECUTE DROP_OBJ('TABLE','TEST');

EXECUTE DROP_OBJ('VIEW','V1');