Example:

Assume table TEST1 with the following structure

CREATE TABLE test1 (pk number PRIMARY KEY, fk number, col1 number.col2 number.
CONTRAINT fk_constraint FOREIGN KEY(fk) references test1, CONSTRAINT ck1 CHECK
(pk>0 and col1>0), CONSTRAINT ck2 CHECK (col2>0));

An error is returned for the following statements

ALTER TABLE test1 DROP (pk);

ALTER TABLE test1 DROP (col1);

The above statement can be written with CASCADE CONSTRAINT

ALTER TABLE test 1 DROP(pk) CASCADE CONSTRAINTS;
(OR)
ALTER TABLE test 1 DROP(pk, fk, col1) CASCADE CONSTRAINTS:

VIEWING CONSTRAINTS

Query the USER_CONSTRAINTS table to view all the constraints definition and names.

Example:

SELECT constraint_name, constraint_type, search_condition FROM user_constraints
WHERE table_name='employees';

Viewing the columns associated with constraints

SELECT constraint_name, constraint_type, FROM user_cons_columns
WHERE table_name='employees';

Find the Solution for the following:

1.   Add a table-level PRIMARY KEY constraint to the EMP table on the ID column. The
constraint should be named at creation. Name the constraint my_emp_id_pk.

Alter table EMP Add Constraints -my-employee-id-pk
PRIMARY KEY (20);

2.   Create a PRIMAY KEY constraint to the DEPT table using the ID colum. The constraint should be named at creation. Name the constraint my_dept_id_pk.

Alter table DEPT
Add   Constraint -my-dept -id- pk- PRIMARY key(20);

3.   Add a column DEPT_ID to the EMP table. Add a foreign key reference on the EMP table that ensures that the employee is not assigned to nonexistent deparment. Name the constraint my_emp_dept_id_fk.

Alter table EMP add   Dept - 2D Number(6);
Alter table EMP add Constraints -my-emp-dept -id
FOREIGN KEY (DEPT-2D) REFERENCE's DEPT(2D);

4.   Modify the EMP table. Add a COMMISSION column of NUMBER data type, precision 2. scale 2. Add a constraint to the commission column that ensures that a commission value is greater than zero.

Alter table EMP:
Add   Commission Number(2,2)
Alter table EMP&
Add   Constraint emp_Commission-ck check(Commi
- sion>0).

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	5
Total (15)	15
Faculty Signature	Rph