**ASSIGNMENT 6**

**1.Create two table emp\_new and dept\_new as the same structure and data as of emp and dept table.**

CREATE TABLE EMP\_NEW AS SELECT \* FROM EMP;

CREATE TABLE DEPT\_NEW AS SELECT \* FROM DEPT;

**2. Modify dept\_new table so that deptno will be the PRIMARY key.**

ALTER TABLE DEPT\_NEW ADD CONSTRAINT dept\_pk PRIMARY KEY(deptno);

**3. Add a column named, ‘Grade’ (which holds grade of the employees) with CHAR(1) to**

**the existing emp\_new table.**

ALTER TABLE EMP\_NEW ADD GRADE CHAR(1)

**4. Modyfy emp\_new table to add a constraint ‘emp\_noPri’ as PRIMARY key on empno attribute.**

ALTER TABLE EMP\_NEW ADD CONSTRAINT emp\_noPri PRIMARY KEY(empno);

**5. Add constraints REFERENCES to deptno of emp\_new table referring deptno of dept\_new table.**

ALTER TABLE EMP\_NEW ADD CONSTRAINT fd\_deptno FOREIGN KEY(deptno) REFERENCES DEPT\_NEW(DEPTNO);

**6. Modify the emp\_new table so that we can’t store the salary of the employee which is less**

**than 2500.**

ALTER TABLE emp\_new

ADD CONSTRAINT check\_salary

CHECK (SAL >= 2500)

NOVALIDATE;

**7. Modify the sal column of emp\_new table to NOT NULL and increase its size to 10.**

ALTER TABLE emp\_new

MODIFY sal DECIMAL(10, 2) NOT NULL;

**8. Modify the ename column of emp\_new table to increase its width to VARCHAR(35).**

ALTER TABLE EMP\_NEW MODIFY ENAME VARCHAR(35);

**9. Drop the PRIMARY key constraint from emp\_new table.**

ALTER TABLE emp\_new

DROP CONSTRAINT empno;

**10.** (a) **Disable the primary key constraint of dept\_new table.**

ALTER TABLE DEPT\_NEW DISABLE CONSTRAINT dept\_pk;

**(b) Enable the primary key constraint from emp\_new table..**

ALTER TABLE DEPT\_NEW ENABLE CONSTRAINT dept\_pk;

**11. Display all column name and constraint name of emp\_new table.**

SELECT COLUMN\_NAME, CONSTRAINT\_NAME

FROM USER\_CONS\_COLUMNS

WHERE TABLE\_NAME = 'EMP\_NEW';

**12.Drop the primary key constraint of dept\_new table so that it will also dropped the foreign key constraint on emp\_new\_deptno**

ALTER TABLE DEPT\_NEW DROP PRIMARY KEY CASCADE;

**13. Create table emp\_new1 and dept\_new1 from emp and dept respectively (also consider**

**that there is a referential integrity between the tables using deptno attribute).**

CREATE TABLE EMP\_NEW1 AS SELECT \* FROM EMP;

CREATE TABLE DEPT\_NEW1 AS SELECT \* FROM DEPT;

ALTER TABLE dept\_new1

ADD CONSTRAINT pk\_deptno\_dept\_new1 PRIMARY KEY(deptno);

ALTER TABLE emp\_new1

ADD CONSTRAINT fk\_deptno\_emp\_new1 FOREIGN KEY(deptno) REFERENCES dept\_new1(deptno);

**14. Now try to drop the dept\_new1 table and give a comment on your output.**

DROP TABLE DEPT\_NEW1**;**

**15. Add the comment ‘Employee Information of XYZ Company’ on emp table.**

COMMENT ON TABLE EMP\_NEW1 IS 'Employee Information of XYZ Company';

**16. Add the comment ‘Unique depart of XYZ Company’ to deptno column of dept table.**

COMMENT ON COLUMN DEPT.DEPTNO IS 'unique depart of xyz company';

**17. How to show the comments of a particular column of a table?**

SELECT COMMENTS FROM USER\_COL\_COMMENTS WHERE TABLE\_NAME='DEPT' AND COLUMN\_NAME='DEPTNO';

**18. How to show the comments on a particular a table?**

SELECT COMMENTS FROM USER\_TAB\_COMMENTS WHERE TABLE\_NAME='EMP\_NEW1';

**19. Remove the comment on emp table.**

COMMENT ON TABLE emp\_new1 IS '';

**20. Change the name of the emp table as emp\_change table.**

ALTER TABLE EMP RENAME TO EMP\_CHANGE;

**21. Drop the emp\_new1 table so that the table structure will remain there in the database.**

TRUNCATE TABLE emp\_new1

**22. Drop the dept\_new1 table permanently so the table structure wills no longer present in**

**the database.**

DROP TABLE EMP\_NEW1 PURGE;

**23. Drop the Gade column from emp\_new table.**

ALTER TABLE EMP\_NEW DROP COLUMN GRADE;

**24. Make the comm. column of emp\_new table as unused**

EMP\_NEW SET UNUSED COLUMN COMM;

**25. How can we display the marked unsued columns of a emp\_new table.**

SELECT \* FROM USER\_UNUSED\_COL\_TABS WHERE TABLE\_NAME='EMP\_NEW';

**26. Drop the unused columns of emp\_new table.**

ALTER TABLE EMP\_NEW DROP UNUSED COLUMNS;

**27. Rename the comm. column of emp\_new table to com**mission.

ALTER TABLE EMP\_NEW RENAME COLUMN COMM TO COMMISSION;