

Assignment-6
[Database Modification]

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 scott.emp;
create table dept_new as select * from scott.dept;
2. Modify dept_new table so that deptno will be the PRIMARY key.
alter table dept_new modify deptno primary key;
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. Modify 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 modify 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.
update emp_new set sal = sal where sal > 2500;
7. Modify the sal column of emp_new table to NOT NULL and increase its size to 10.
alter table emp_new modify (sal number(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 varchar2(35);
9. Drop the PRIMARY key constraint from emp_new table.
alter table emp_new drop primary key;
10. 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;
11. Display all column name and constraint name of emp_new table.
**SELECT CONSTRAINT_NAME,CONSTRAINT_TYPE,TABLE_NAME FROM
USER_CONSTRAINTS WHERE TABLE_NAME LIKE 'EMP_NEW';**
12. Disable the primary key constraint of dept_new table.
 - **SELECT CONSTRAINT_NAME,CONSTRAINT_TYPE,TABLE_NAME FROM
USER_CONSTRAINTS WHERE TABLE_NAME LIKE 'DEPT_NEW';**

- **ALTER TABLE DEPT_NEW disable CONSTRAINT SYS_C00104509;**
- **SELECT CONSTRAINT_NAME,CONSTRAINT_TYPE,STATUS,TABLE_NAME FROM USER_CONSTRAINTS WHERE TABLE_NAME LIKE 'DEPT_NEW';**

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 scott.emp;**
- **Create table dept_new1 as select * from scott.dept;**
- **Alter table emp_new1 modify deptno primary key;**
- **Alter table dept_new1 modify deptno reference 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_new1.deptno is 'Unique depart of XYZ Company'

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

Select * from user_col_comments where table_name like 'dept_new1';

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

Select * from user_tab_comments where table_name like 'emp_new1';

19. Remove the comment on emp table.

- **Comment on table emp_new1 is '';**
- **Select * from user_tab_comments where table_name like 'emp_new1';**

20. Change the name of the emp table as emp_change table.

Rename emp 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 will no longer present in the database.

Drop table emp_new1 cascade constraints;

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


Alter table emp_new rename column comm to commission;

25. How can we display the marked unused columns of a emp_new table.

Alter table emp_new set unused column commission;

26. Drop the unused columns of emp_new table.

Select * from user_unused_col_tabs where table_name like 'emp_new';

27.  Rename the comm. column of emp_new table to commission.

Alter table emp_new drop unused columns;

