**Day 3**

**Assignments**

1. **increase the salary by 10% for employees whose salary is below 3000.**

**🡪update emp**

**set sal=sal\*1.1**

**where sal<3000**

**/**

1. **Create table with name of emp2 creation command is (create table emp2 (id number, ename varchar2 (50), salary number) populate the emp2 table using a select statement from the emp table for the employees in department 20 .**

**🡪** **create table emp2**

**as select**

**In table emp empno ,ename,sal**

**from emp**

**where deptno=20**

**/**

**alter table emp2**

**modify ename VARCHAR2(50)**

**/**

1. **Create the DEPARTMENT table based on the following table instance chart. Confirm that the table is created.**

|  |  |  |
| --- | --- | --- |
| **COLUMN NAME** | **ID** | **NAME** |
| **Default value** | **1** | **Not available** |
| **DATATYPE** | **Number** | **Varchar2** |
| **LENGTH** | **7** | **25** |

**create table department**

**(deptid number(7) default 1,**

**deptname varchar2(25) default 'no name'**

**)**

**/**

1. **Populate the DEPARTMENT table with data from dept table. Include only columns that you need.**

**🡪insert into department(deptid , deptname)**

**select deptno ,dname**

**from dept**

**/**

1. **Add column location to table department.**

**🡪 alter table department**

**add location varchar(5)**

**/**

1. **Truncate table department.**

**🡪** **truncate table department**

**/**

1. **Create table employee based on the structure of the EMP table. Include only the EMPNO, ENAME,sal and DEPTNO columns**

**Empno Primary key**

#### Ename unique

#### Deptno fk for table department.

**🡪create table employee**

**as select**

**empno ,ename,sal,deptno**

**from emp**

**/**

**🡪** **alter table empployee**

**modify**

**empno primary key**

**/**

**🡪**

**alter table employee**

**modify**

**deptno references department(deptid)**

**/**

**Make deptid primary key**

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**🡪** **alter table empployee**

**modify**

**deptno references dept(deptno)**

**/**

**🡪** **alter table employee**

**modify**

**ename unique**

**/**

1. **Add a check constraint on column Salary (salary is in (1000, 1500, 2000 or 2500)). And test if it is work or not.**

**🡪delete from employee**

**Where sal not in(1000,1500,2000,2500)**

**🡪** **alter table empployee**

**add**

**check\_chk check (sal in(1000,1500,2000,2500))**

**//**

1. **Drop the check constraint that has been created in step (e).**

**Alter table employee drop check\_chk**

1. **Create a view called EMP\_VU based on the employee number, employee name, and department number from the EMP table. Change the heading for the employee name to EMPLOYEE**

**🡪** **create view emp\_vu**

**as select**

**empno ,ename as EMPLOYEE**

**from emp**

**/**

1. **Modify the EMP\_VU view to display the employees in department 20. Note: the view can’t be used to manipulate the employees in departments other than 20.**

**🡪** **create or replace view emp\_vu**

**as (select**

**empno ,ename as EMPLOYEE**

**from emp**

**where deptno=20**

**)with check option**

**/**

1. **Create a sequence to be used with the primary key column of the DEPARTMENT table. The sequence should start at 60 and have a maximum value of 200. Have your sequence increment by ten numbers. Name the sequence DEPT\_ID\_SEQ.**

**🡪** **create sequence dept\_id\_seq**

**start with 60**

**increment by 10**

**maxvalue 200**

**/**

**🡪** **insert into department (deptid)**

**values (dept\_id\_seq.nextval)**

**/**

1. **Create a non-unique index on the foreign key column (dept\_id) in the employee table.**

**🡪** **create INDEX deptnum\_idx ON employee(deptno)**

**/**