**Day 3**

**Assignments**

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(

id number,

ename varchar2(50),

salary number);

insert into emp2

(select empno, ename, sal from emp where deptno=20);

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(

id number(7) default 1,

name varchar2(25)

);

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

**insert into department (select deptno, dname from dept);**

1. **Add column 'Location' to table department.**

**alter table department**

**add location varchar(50);**

1. **Truncate table department.**

**truncate table department;**

truncate table department;

1. **Create table employee based on the structure of the EMP table(Structure with data).**

**Include only the EMPNO, ENAME,SAL and DEPTNO columns**

**Empno Primary key**

**Ename unique**

**create table employee (empno primary key, ename unique, sal, deptno ) as (select empno, ename, sal, deptno from emp);**

1. **Add a foreign key constraint Deptno\_fk as foreign key for table department. Then add a Check constraint on column Salary (salary is in (1000, 1500, 2000 or 2500)). And test if it is work or not.**

**alter table department**

**add constraint x primary key (id);**

**alter table employee**

**add constraint deptno\_fk foreign key (deptno) REFERENCES department(id);**

**alter table employee**

**add constraint salcheck check( sal in (1000,1500,2000,2500));**

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

alter table employee

drop constraint salcheck;

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 "employee", ename "empname", deptno "dept#" 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 "emp#", ename "empname", deptno "dept#" from emp where deptno=20 )with check option;