**Table Name-Student**

|  |  |
| --- | --- |
| **Column Name** | **Datatype** |
| s\_id | Number(5) |
| s\_name | Varchar2(20) |
| Email | Varchar2(30) |
| Credit | Number(3) |
| Deptno | Number(5) |
| Gender | Varchar2(6) |

1. Create above table according to given data types.

create table student(

s\_id number(5),

s\_name varchar2(20),

email varchar2(30),

cred number(3),

deptno number(5),

gender varchar2(6))

2. Set **s\_id** as primary key of the table.

alter table student add constraint con1 primary key(s\_id)

3. Set constraint not null on the column **s\_name.**

alter table student modify (s\_name not null)

4. Make **email** unique.

alter table student add constraint con2 unique(email)

5. Make **deptno** as foreign key taking reference from **department** table which you have m  
previous lab.

alter table student add constraint con3 foreign key(deptno) references dept(deptno)  
6. Add a constraint to **gender** so that it only allows the value **‘M’** and **‘F’**.

alter table student add constraint con4 check(gender='F' or gender='M')

7. Disable the constraint of **s\_id**.

alter table student disable constraint con1-disable not null

you can check-

insert into stu(s\_name,deptno,gender) values('W',20,'F')

8. Drop the constraint from **gender**.

alter table student disable constraint con4

you can check-

insert into stu(s\_name,deptno,gender) values('W',20,'R')

9. View the columns associated with constraints.

############ to show the structure#######

Desc student

############# to show the constraint information############

Select \* from all\_constraints where table\_name=’STUDENT’

10. Enable the constraint of **s\_id**.

alter table student enable constraint con1

11.Add a default value ‘0’ to **credit\_completed** column

alter table student modify cred default 0

12. Update credit into 30 where s\_id is 3

update student set credit=30 where s\_id=3

13. Delete info of s\_id=6.

delete from student where s\_id=6

14.Delete all the data from student

truncate table student->desc exist but no data are there

15. Delete the student table.

drop table student->Object to be described could not be found

**Insertion**

insert into student values(01,'A','b@gmail.com',5,10,'F')

insert into student values(02,' ','c@gmail.com',5,10,'F')

insert into student(s\_id,s\_name,email,deptno,gender) values(03,'C','d@gmail.com',10,'F')

insert into student values(04,'Z','e@gmail.com',12,70,'F')-70 doesn’t exist in dept table

insert into student values(04,'Z','e@gmail.com',12,20,'M')-if insert R to, gender condition not works