

LAB 2

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Roll no-58

1.

```
create table EMPLOYEE(emp_no number(10) primary key,emp_name varchar(20) not null,gender
char(2) not null,salary number(10,2) not null,address varchar(50) not null,dno
number(10),check(gender in ('f','m')));
```

2.

```
create table DEPARTMENT(dept_no number(5) primary key,dept_name varchar(10) unique,location
varchar(10));
```

3. alter table EMPLOYEE add constraint key_dno foreign key(dno) references department(dept_no);

4.

```
insert into DEPARTMENT(dept_no,dept_name,location) values(100, 'CSE','Manipal');
```

```
insert into DEPARTMENT(dept_no,dept_name,location) values(101, 'CCE','Manipal');
```

```
insert into DEPARTMENT(dept_no,dept_name,location) values(102, 'IT','Manipal');
```

```
insert into EMPLOYEE(emp_no,emp_name,gender,salary,address,dno)
values(1,'aniket','m',45000,'Manipal',100);
```

```
insert into EMPLOYEE(emp_no,emp_name,gender,salary,address,dno)
values(2,'matt','m',46000,'Manipal',101);
```

```
insert into EMPLOYEE(emp_no,emp_name,gender,salary,address,dno)
values(3,'anirudh','m',46000,'Manipal',102);
```

```
insert into EMPLOYEE(emp_no,emp_name,gender,salary,address,dno)
values(4,'atulya','m',46000,'Manipal',102);
```

5. insert into EMPLOYEE(emp_no,emp_name,gender,salary,address,dno)
values(1,'matt','m',46000,'Manipal',101);

```
insert into EMPLOYEE(emp_no,emp_name,gender,salary,address,dno)
values(1,'aniket','m',45000,'Manipal',1);
```

6. delete from DEPARTMENT where Dept_no = 102;

7.

Alter table EMPLOYEE drop constraint key_dno;

Alter table EMPLOYEE add constraint key_dno foreign key(DNo) references DEPARTMENT(dept_No)
ON DELETE CASCADE;

8.

alter table EMPLOYEE modify salary default 10000;

insert into EMPLOYEE(Emp_No,Emp_Name,Gender,Address,DNo)
values(5,'simon','m','Manipal','101');

9. select name,dept_name from Student;

10. Select name,dept_name from instructor where dept_name='Comp. Sci.';

11. select title,credits from course where dept_name='Comp. Sci.' and credits=3;

12. Select title,course_id from course natural join takes where ID=12345;

13. Select name from instructor where salary between 40000 and 90000;

14. select name from instructor T where T.id not in(select id from teaches);

15. select name, title, takes.year from student, section, course, takes where room_number=303 and
course.course_id = section.course_id and course.course_id = takes.course_id and takes.id =
student.id and takes.year = section.year and takes.sec_id = section.sec_id and section.semester =
takes.semester;

Note-no records are being displayed we have to insert records to satisfy the same

16. select student.name,course_id,title as c_name from (student natural join takes) join course
using(course_id) join student using (id) where year=2010;

17. select name, salary as inst_salary FROM Instructor where salary > ANY(select salary FROM
Instructor WHERE dept_name='Comp. Sci.');

18. Select name from instructors where dept_name like '%ch%';

19. SELECT name, LENGTH(name) FROM Student;

20. select dept_name,substr(dept_name,3,3) from department;

21. Select UPPER(name) from instructor;

22. SELECT NVL(tot_cred, 0) FROM Student;

23. Select salary,ROUND(salary/3,-2) from instructor;

Now we add the dob attribute

alter table EMPLOYEE add(DOB date);

Update employee set DOB='29-DEC-2000';

Select * from EMPLOYEE where DOB='29-DEC-2000';

24.

select emp_name, to_char(DOB,'DD-MON-YYYY') from EMPLOYEE;

select emp_name, to_char(DOB,'DD-MON-YY') from EMPLOYEE;

select emp_name, to_char(DOB,'DD-MM-YY') from EMPLOYEE;

25. select emp_name, to_char(DOB) from EMPLOYEE;

26. select emp_name, to_char(DOB) FROM EMPLOYEE;