VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Belgaum, Karnataka



DATABASE LABORATORY LABORATORY MANUAL 16MCA28 II SEMESTER - 2017

Prepared By:

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Department of MCA



ESTD: 2001

An Institution with a difference

Create the following tables with properly specifying Primary keys, Foreign keys and solve the following queries.

BRANCH(**Branchid**,Branchname,HOD)

STUDENT(**USN**,Name,Address,Branchid,sem)

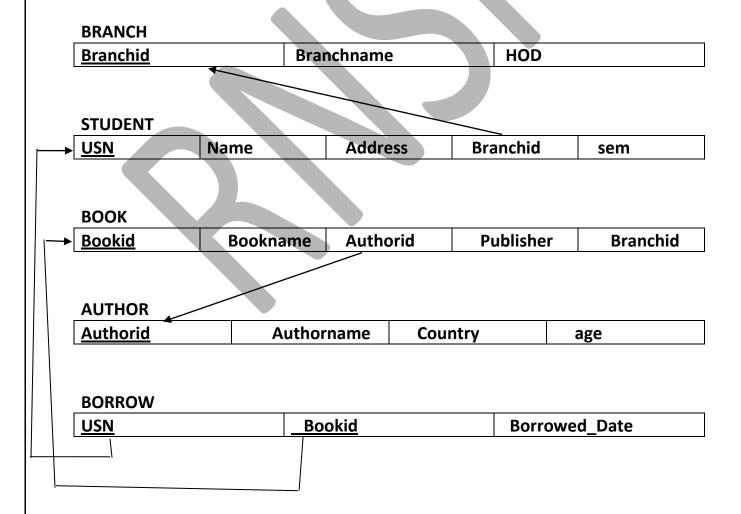
BOOK(**Bookid**, Bookname, Authorid, Publisher, Branchid)

AUTHOR(**Authorid**, Authorname, Country, age)

BORROW(USN,Bookid,Borrowed Date)

Queries:

- 1 List the details of Students who are all Studying in 2nd sem MCA.
- 2 List the students who are not borrowed any books.
- 3 Display the USN, Student name, Branch_name, Book_name, Author_name, Books_Borrowed_Date of 2nd sem MCA Students who borrowed books.
- 4 Display the number of books written by each Author.
- 5 Display the student details who borrowed more than two books.
- 6 Display the student details who borrowed books of more than one Author.
- 7 Display the Book names in descending order of their names.
- 8 List the details of students who borrowed the books which are all published by the same Publisher.



```
create table branch
(branchid int primary key,
bname varchar(10),
hod varchar(10));
create table student
(usn varchar(10) primary key,
name varchar(10),
addr varchar(15),
branchid int references branch (branchid),
sem int);
create table book
(bookid int primary key,
bname varchar(10),
author
create table author
(authorid int primary key,
aname varchar(10),
country varchar(10),
age int);
create table book
 (bookid int primary key,
bname varchar(10),
 authorid int references author (authorid),
publisher varchar(10),
branchid int references branch (branchid));
create table borrow
(usn varchar(10) references student(usn),
bookid int references book (bookid),
borrowdate date);
SQL> select * from branch;
                    HOD
 BRANCHID BNAME
        1 mca
                    npk
        2 mba
                    bojanna
        3 cse
                   gtr
                   sudhamani
        5 electrical sumathi
SQL> select * from student;
                                    BRANCHID SEM
USN NAME ADDR
_____ ____
1rn1
                                                      2
         harish
                   bangalore
                                            1
         bharath mysore
1rn2
                                            2
                                                      3
                   delhi
1rn3
         kiran
                                            3
                                                      6
                                                      7
1rn4
        mahi
                   chennai
         krishna hubli
                                            5
1rn5
```

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SQL> select * from book;

BOOKID	BNAME	AUTHORID	PUBLISHER	BRANCHID
1111	c prog	123	pearson	1
2222	dbms	124	mgrawhill	2
3333	oops	125	sapna	3
4444	unix	126	subhash	4
5555	cprog	127	pearson	5

SQL> select * from author;

	AUTHORID	ANAME	COUNTRY	AGE
_	124 125			55 44 55 38
	127	dennis	usa	66

SQL> select * from borrow;

USN	BOOKID BORROWDAT
1rn1	2222 10-JAN-00
1rn1	3333 05-MAR-16
1rn3	5555 01-JUN-10
1rn5	2222 19-MAY-00
1rn2	1111 22-FEB-15

Query 1.

select * from student where sem=2 and branchid in (select branchid from branch where bname='mca')

USN	\neg	NAME	ADDR		BRANCHID	SEM
1rn1		harish	n banga	lore	1	2

Query 2.

select * from student where usn not in (select usn from borrow);

USN	NAME	ADDR	BRANCHID	SEM
1rn4	mahi	chennai	4	7

Query 3.

select student.usn ,student.name,branch.bname, book.bname, aname,
borrowdate from student , branch, book, author, borrow where
student.usn=borrow.usn and borrow.bookid=book.bookid and
book.authorid =author.authorid and student.branchid=branch.branchid
and student.sem=2 and branch.bname='mca';

USN	NAME	BNAME	BNAME	ANAME	BORROWDAT
1rn1	harish	mca	dbms	ritche	10-JAN-00
1rn1	harish	mca	oops	RAMKRISHNA	05-MAR-16

Query 4.

select count(*) , authorid from book group by authorid;

COUNT(*)	AUTHORID
1	123
1	125
1	124
1	126
1	127

Query 5.

select * from student where usn in (select usn from borrow group
by usn having count(usn) >=2);

USN	NAME	ADDR	\neg	BRANCHID	SI	ΞM
1rn1	harish	bangalore		1		2

Query 6.

select * from student s where exists (select br.usn from borrow br
join book bk on br.bookid=bk.bookid where br.usn=s.usn group by usn
having count(distinct authorid)>1);

USN	NAME	ADDR	BRANCHID	SEM
1rn1	harish	bangalore	1	2

Query 7.

select bname from book order by bname desc;

BNAME ----unix oops dbms cprog c prog

Query 8.

select * from student s where exists (select usn , publisher from borrow join book on borrow.bookid=book.bookid where s.usn=borrow.usn group by usn having count(distinct publisher)=1);

USN	NAME	ADDR	BRANCHID	SEM
1rn2	bharath	mysore	2	3
1rn3	kiran	delhi	3	6
1rn5	krishna	hubli	5	4

Design an ER-diagram for the following scenario, Convert the same into a relational model and

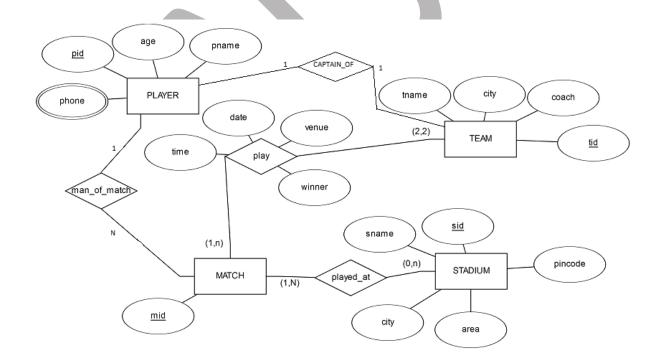
then solve the following queries.

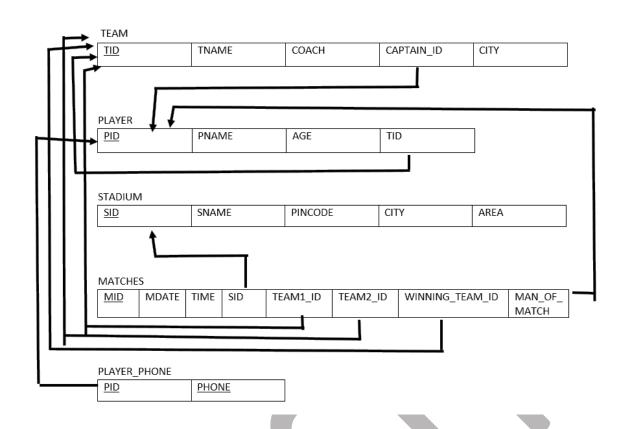
Consider a Cricket Tournament "ABC CUP" organized by an organization. In the tournament there

are many teams are contesting each having a Teamid, Team_Name, City, a coach. Each team is uniquely identified by using Teamid. A team can have many Players and a captain. Each player is uniquely identified by Playerid, having a Name, and multiple phone numbers, age. A player represents only one team. There are many Stadiums to conduct matches. Each stadium is identified using Stadiumid, having a stadium_name, Address (involves city, area_name, pincode). A team can play many matches. Each match played between the two teams in the scheduled date and time in the predefined Stadium. Each match is identified uniquely by using Matchid. Each match won by any of the one team that also wants to record in the database. For each match man_of_the match award given to a player.

Oueries:

- 1 Display the youngest player (in terms of age) Name, Team name, age in which he belongs of the tournament.
- 2 List the details of the stadium where the maximum number of matches were played.
- 3 List the details of the player who is not a captain but got the man_of _match award at least in two matches.
- 4 Display the Team details who won the maximum matches.
- 5 Display the team name where all its won matches played in the same stadium.





```
create table team
  ( tid int primary key,
  tname varchar(20),
  coach varchar (20),
  captain pid int,
  city varchar(20));
  create table player
  ( pid int primary key,
  pname varchar(2),
  age int,
  tid int references team(tid))
 create table stadium
 (sid int primary key,
 sname varchar(20),
  picode number (8),
  city varchar(20),
  area varchar(20));
create table match
(mid int primary key,
mdate date,
time varchar(6),
sid int references stadium(sid),
team1 id int references team(tid),
team2 id int references team(tid),
winning team id int references team(tid),
```

man of match int references player(pid)) create table player phone (pid int references player (pid), phone int , primary key(pid, phone)); SQL> select * from team; COACH TID TNAME CAPTAIN_PID CITY 123 rcb sunil 1 bangalore 124 csk laxman 3 chennai 125 royals 125 royals singh 126 daredevils sehwag 4 rajasthan 2 delhi SQL> select * from player; PID PNAME AGE TID 33 123 1 sachin 2 dravid 32 124 3 dhoni 30 124 30 125 4 raina 5 kohli 23 126 SQL> select * from stadium; SID SNAME PICODE CITY AREA 111 chinnaswamy 56001 bangalore mg road 460009 delhi 222 kotla highway 333 international 38883 chennai tr nagar 444 ksca 560098 bangalore peenya 555 csca 567772 cochin beach road SQL> select * from match; SID TEAM1_ID TEAM2_ID WINNING_TEAM_ID MAN_OF_MATCH MID MDATE
 111
 123
 124
 123
 1

 222
 124
 126
 126
 5

 111
 125
 126
 126
 5

 111
 125
 123
 123
 1
 1 10-JAN-17 10am 102 11-JAN-17 pm 103 12-JAN-17 11am 104 17-JAN-17 12pm SQL> select * from player phone;

PID	PHONE
1	998882928
2	877563733
2	988928822
3	877366383

Query 1:

Select pname, tname, age from player p, team t where p.tid=t.tid and age =(select min(age) from player);

PNAME	TNAME	AGE
kohli	daredevils	23

Query 2:

select * from stadium where sid in
 (select sid from match group by sid having count(sid) =
(select max(count(sid)) from match group by sid))

SID	SNAME	PICODE	CITY	AREA
111	chinnaswamy	56001	bangalore	mg road

Query 3:

select * from player where pid not in (select captain_pid from team) and pid in (select man_of_match from match group by man of match having count (man of match) = 2);

PID	PNAME		AGE	TID
5	kohli		23	126

Query 4:

select * from team where tid in (select winning_team_id from
match group by winning_team_id having count(winning_team_id) =
 (select max(count(winning_team_id)) from match group by
 winning team id))

TID	TNAME	COACH	CAPTAIN_PID	CITY
		 	- s	
126	daredevils	sehwaq	2	delhi

Query 5

```
select tname from team where tid in (
   select winning_team_id from match group
by(winning_team_id,sid)
   having count(*) in (select count(winning_team_id)
   from match group by winning team id))
```

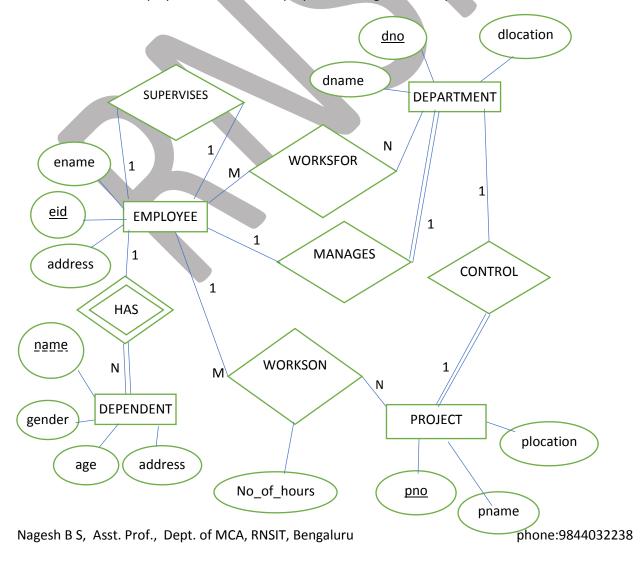
```
TNAME
-----
rcb
```

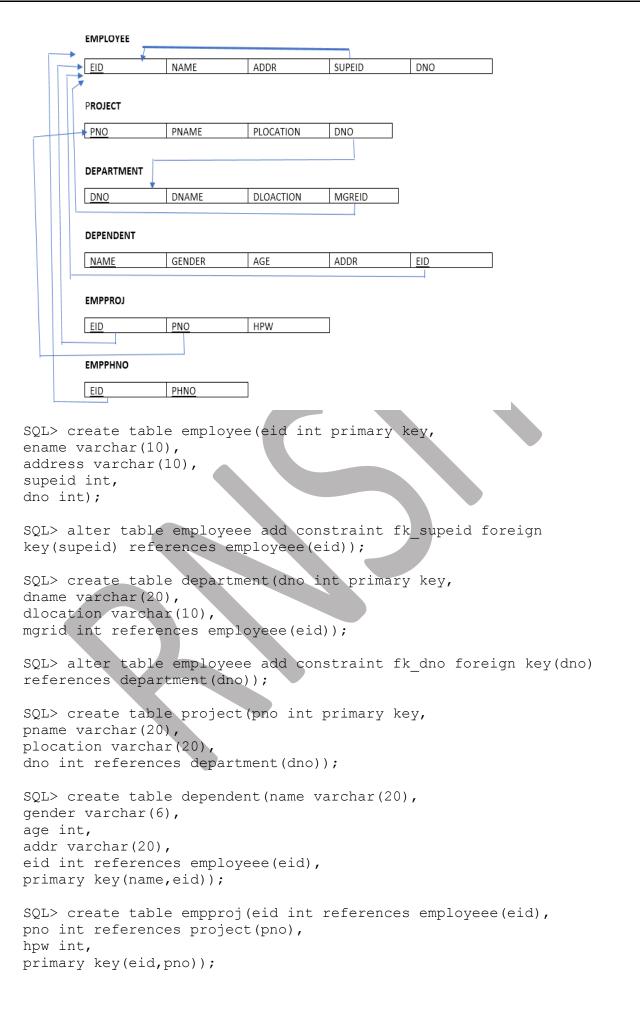
Consider the following Scenario and design an ER-Diagram, map the designed ER-diagram into a Relational model. Consider an organization "ABC" having many employees. An employee works for one department. Each employee identified by using Empid, having Name, address (described as House_no, city, district, state, pin code) and more than one phone numbers. Department identified by using Dno, having Dname, Dlocation. Each Department having a manager. Each department having many employees. There are many Projects, each project is controlled by the department. Each Project uniquely identified by Pno, having Project_name, Project_location. An employee works on many Projects. Number of hours per week worked on each project by an Employee also needs to be recorded in the database. A project is worked by many employees. Each employee supervised by the supervisor. Employee having many dependents. Dependents having the dependent name, gender, age, address. Dependents are identified by Empid.

T1(Empid, Emp_Name,city, district, state, pin_code, phoneno, Dno,Dname,Dlocation, Dept_mgr_id, Pno, Project_name, Project_location, Number_of_Hours,Supervisor_Empid, Dependent_name, gender, address) ,Deduce the above Relation T1 into the 3NF and then solve the following queries.

Queries:

- 1. Display the details of the employees who are working on both the projects having project_no 5 and 10
- 2. Display the details of employees having atleast two dependents.
- 3. Display the project name on which more number of employees are working.
- 4. Retrieve the employees who do not have any dependents.
- 5. Display the Employee details whose total number of hours per week working on various projects is maximum than all other employees.
- 6. create a view to display the number of employees working in each department.





SQL> create table empp phno int,		referenc	es employe	eee(eid),
<pre>primary key(eid,phno)) SQL> desc employee; Name</pre>	,		Null?	Type
EID NAME ADDRESS SUPEID DNO				NUMBER (38) VARCHAR2 (30) VARCHAR2 (30) NUMBER (38) NUMBER (38)
<pre>SQL> desc department; Name</pre>			Null?	Туре
DNO DNAME DLOCATION MGRID			NOT NULL	NUMBER (38) VARCHAR2 (20) VARCHAR2 (10) NUMBER (38)
SQL> desc project; Name			Null?	Туре
PNO PNAME PLOCATION DNO			NOT NULL	NUMBER (38) VARCHAR2 (20) VARCHAR2 (20) NUMBER (38)
SQL> desc dependent; Name			Null?	Туре
NAME GENDER AGE ADDR EID				VARCHAR2 (20) VARCHAR2 (6) NUMBER (38) VARCHAR2 (20) NUMBER (38)
SQL> desc empproj; Name			Null?	Туре
EID PNO HPW				NUMBER (38) NUMBER (38) NUMBER (38)
SQL> desc empphno; Name			Null?	Туре
EID PHNO				NUMBER (38) NUMBER (38)
SQL> select * from e	mployee; ADDRESS	SUPEID	DNO	
1 priya 2 sindu 3 teertha	davangere		200 400 300	

4	spurthy	chikmangalore	3	200
5	raghavi	bangalore	4	500

SQL> select * from department;

DNO	DNAME	DLOCATION MG	GRID
100	mca	blore	4
200	mba	mlore	5
300	cse	mumbai	2
400	mech	delhi	3
500	ece	chennai	1

SQL> select * from project;

PNO	PNAME	PLOCATION	DNO
111	student	blore	100
222	library	madurai	300
333	hotel	chennai	100
444	railway	delhi	500
555	airline	ranchi	400
5	sp	mysore	100
10	raji	kolkata	200

SQL> select * from dependent;

NAME	GENDER	AGE ADDR	EID
priya	f	20 mumbai	1
divya	f	19 blore	2
priyanka	f	18 madurai	3
sarvan	m	24 delhi	3
jothi	f	40 madurai	5
lakshmi	f	23 udupi	1

SQL> select * from empproj;

EID	PNO	HPW
1	111	5
3	222	4
2	333	7
4	111	10
5	444	20
1	5	4
1	10	8

SQL> select * from empphno;

EID	PHNC
3	9025678934
4	9807654323
5	890765/323

2 78968976541 9087654321

Query 1. select * from employee where eid in(select w1.eid from
empproj w1,empproj w2 where w1.pno=5 and w2.pno=10 and
w1.eid=w2.eid);

EID	NAME	ADDRESS	SUPEID	DNO
1	priya	bangalore	5	200

Query 2. select * from employee where eid in(select eid from
dependent group by eid having count(eid)>=2);

EID	NAME	ADDRESS	SUPEID	DNO
1	priya	bangalore	5	200
3	teertha	sirsi	2	300

Query 3. select pname from project where pno in(select pno from empproj group by pno having count(pno) = (select max(count(pno)) from empproj group by pno))

PNAME
----student

Query 4. select * from employee where eid not in (select eid from dependent);

EID	NAME	ADDRESS	SUPEID	DNO
4	spurthy	chikmangalore	3	200

Query 5. select * from employee where eid in(select eid from empproj group by eid having sum(hpw) = 2 (select max(sum(hpw)) from empproj group by eid));

EID	NAME	ADDRESS	SUPEID	DNO
5	raghavi	bangalore	4	500

Query 6.

create view empcount(dno,no_of_emp) as select dno,count(dno) from
employeee group by dno;

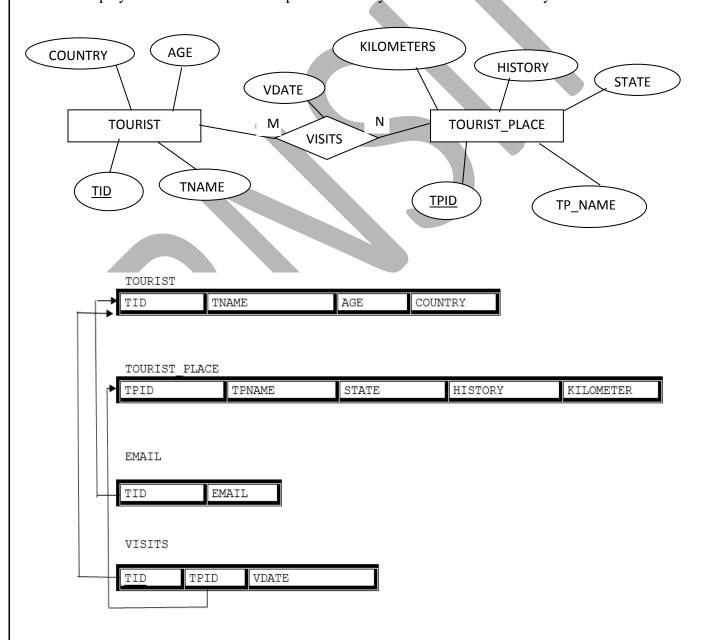
SQL> select * from empcount;

DNO	NO_OF_EMP
200	2
300	1
400	1
500	1

Design an ER-diagram for the following scenario, Convert the same into a relational model, normalize Relations into a suitable Normal form and then solve the following queries. A country can have many Tourist places. Each Tourist place is identified by using tourist_place_id, having a name, belongs to a state, Number of kilometers away from the capital city of that state, history. There are many Tourists visits tourist places every year. Each tourist is identified uniquely by using Tourist_id, having a Name, age, Country and multiple emailids. A tourist visits many Tourist places, it is also required to record the visted_date in the database. A tourist can visit a Tourist place many times at different dates. A Tourist place can be visited by many tourists either in the same date or at different dates.

Queries:

- 1 List the state name which is having maximum number of tourist places.
- 2 List details of Tourist place where maximum number of tourists visited.
- 3 List the details of tourists visited all tourist places of the state "KARNATAKA".
- 4 Display the details of the tourists visited at least one tourist place of the state, but visited all states tourist places.
- 5 Display the details of the tourist place visited by the tourists of all country.



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```
create table tourist place
(tpid number primary key,
history varchar(20),
kilometers number(3)
,state varchar(20),
tpname varchar(20));
create table tourist(tid number primary key,
country varchar (20),
age number,
tname varchar(20));
create table visits
(tpid number(3) references tourist place(tpid),
tid number references tourist(tid),
vdate date,
primary key(tpid, tid));
create table email
(tid number references tourist(tid),
email varchar(20),primary key(tid,email));
 desc tourist_place;
                                            Null?
                                                     Type
 Name
 TPID
                                            NOT NULL NUMBER
 HISTORY
                                                     VARCHAR2 (20)
KILOMETERS
                                                     NUMBER
                                                     VARCHAR2 (20)
 STATE
                                                     VARCHAR2 (20)
 TPNAME
 desc tourist;
                                            Null?
 Name
                                                     Type
 TID
                                            NOT NULL NUMBER
 COUNTRY
                                                    VARCHAR2 (20)
 AGE
                                                     NUMBER
 TNAME
                                                     VARCHAR2 (20)
desc visits;
                                                     Type
 Name
                                           Null?
 TPID
                                           NOT NULL NUMBER
 TID
                                           NOT NULL NUMBER
 VDATE
                                                     DATE
desc email;
 Name
                                           Null?
                                                     Type
 TТD
                                                     NUMBER
EMAIL
                                                     VARCHAR2 (20)
SOL> insert into
tourist_place(tpid, history, kilometers, state, tpname) values('11', 'beauty', '
160', 'karnataka', 'ooty');
1 row created.
```

```
TPID HISTORY
                    KILOMETERS STATE
                                    160 karnataka
                                                      ooty
beluru
       11 beauty
       12 monuments
                                     270 kerala
                                     360 tamilnadu marina
       13 beach
SQL> insert into
tourist(tid,country,age,tname)values('22','india','34','prakash');
1 row created.
SQL> select * from tourist;
     TID COUNTRY
                                    AGE TNAME
                                      34 prakash
       22 india
       23 orissa
                                      28 bhanu
                                      30 nagesh
       24 india
SQL> insert into visits values('&tpid','&tid','&vdate');
Enter value for tpid: 12
Enter value for tid: 23
Enter value for vdate: 13-nov-2014
old 1: insert into visits values('&tpid','&tid','&vdate')
new 1: insert into visits values('12','23','13-nov-2014')
1 row created.
SQL> select * from visits;
     TID VDATE
TPID
            23 13-NOV-14
 12
          24 24-JUN-13
 11
 13
          22 25-SEP-11
 11
          23 23-FEB-10
           23 12-JAN-10
 1.3
          24 10-JAN-17
 14
SQL> insert into email values('&tid','&email');
Enter value for tid: 23
Enter value for email: bhanu12@gmail.com
     1: insert into email values('&tid','&email')
     1: insert into email values('23', 'bhanu12@gmail.com')
1 row created.
SQL> select * from email;
     TID EMAIL
       23 bhanu12@gmail.com
       22 prakash242@gmail.com
       24 nageshh@gmail.com
```

SQL> select * from tourist place;

Query 1:

select state from tourist_place group by state having
count(state)=(select max(count(state)) from tourist_place group by
state);

STATE

karnataka

query 2:

select * from tourist_place where tpid in (select tpid from visits group
by tpid having count(tpid) = (select max(count(tpid)) from visits group by
tpid));

TPID	HISTORY	KILOMETERS	STATE	TPNAME
	beauty	160	karnataka	ooty
	beach	360	tamilnadu	marina

query 3:

select * from tourist t where t.tid in
 (select tid from visits join tourist_place on
visits.tpid=tourist_place.tpid where state='karnataka'
 group by tid having count(state) in (select count(state) from
tourist_place where state='karnataka'));

TID	COUNTRY	AGE	TNAME	
2.4	india	30	nagesh	

query 4:

select * from tourist t where t.tid in (select tid from visits join
tourist_place on visits.tpid=tourist_place.tpid
 group by tid having count(distinct state)
in (select count(distinct state) from tourist place));

TID	COUNTRY	AGE	TNAME
23	orissa	28	bhanu

query 5:

select * from tourist_place where tpid in (
select tpid from visits join tourist on visits.tid=tourist.tid
group by tpid having count(distinct country) =
 (select count(distinct country) from tourist));

TPID	HISTORY	KILOMETERS	STATE	TPNAME
11	beauty	160	karnataka	ooty
13	beach	360	tamilnadu	marina

Design an ER-diagram for the following scenario, Convert the same into a relational model, normalize Relations into a suitable Normal form and then solve the following queries.

A country wants to conduct an election for the parliament. A country having many constituencies.

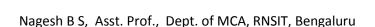
Each constituency is identified uniquely by Constituency_id, having the Name, belongs to a state, Number_of_voters. A constituency can have many voters. Each voter is uniquely identified by using Voter_id, having the Name, age, address (involves Houseno, city, state, pincode). Each voter belongs to only one constituency. There are many candidates contesting in the election. Each candidates are uniquely identified by using candidate_id, having Name, phone_no, age, state. A candidate belongs to only one party. There are many parties. Each party is uniquely identified by using Party_id, having Party_Name, Party_symbol. A candidate can contest from many constituencies under a same party. A party can have many candidates contesting from different constituencies. No constituency having the candidates from the same party. A constituency can have many contesting candidates belongs to different parties. Each voter votes only one candidate of his/her constituency.

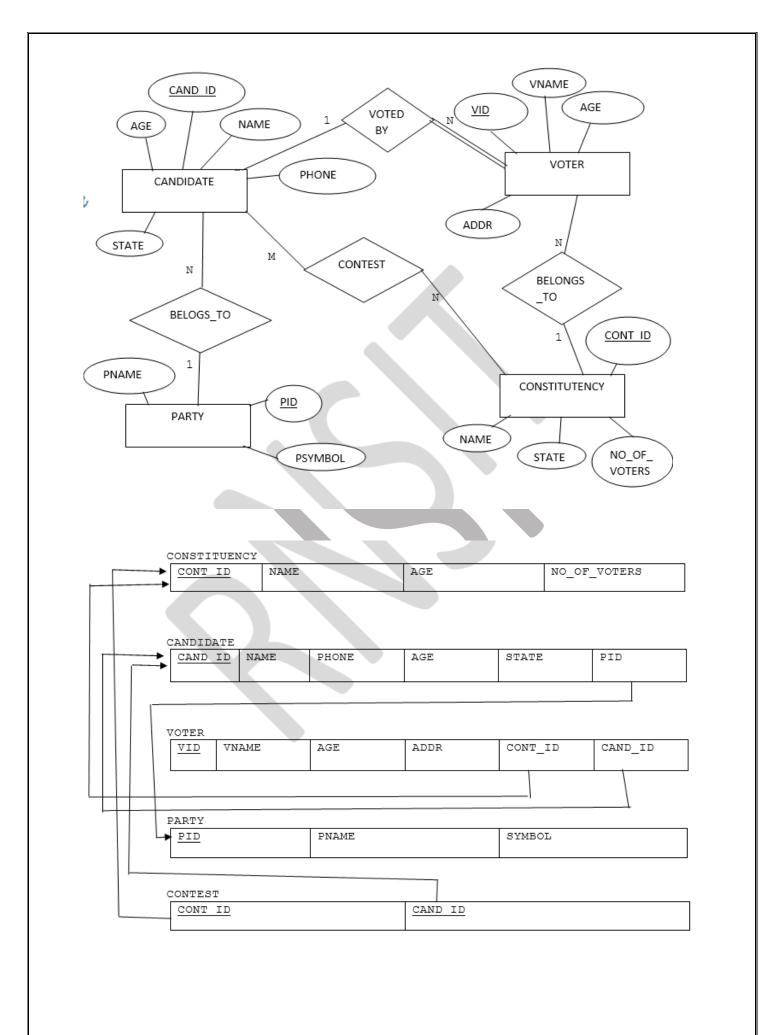
Queries:

- 1 List the details of the candidates who are contesting from more than one constituencies which are belongs to different states.
- 2 Display the state name having maximum number of constituencies.
- 3 Create a stored procedure to insert the tuple into the voter table by checking the voter age. If voter's age is at least 18 years old, then insert the tuple into the voter else display the "Not an eligible voter msg".
- 4 Create a stored procedure to display the number_of_voters in the specified constituency. Where the constituency name is passed as an argument to the stored procedure.

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5 Create a TRIGGER to UPDATE the count of "Number_of_voters" of the respectiv constituency in "CONSTITUENCY" table, AFTER inserting a tuple into the "VOTERS" table.





```
create table constituency
(cons id number(20) primary key,
csname varchar(20),
csstate varchar(20),
no of voters number(10));
create table party
(pid number(20) primary key,
pname varchar(20),
psymbol varchar(10));
create table candidates
(cand id number(12) primary key,
phone no number(10),
age number (2),
state varchar(20),
name varchar(20),
pid int references party(pid));
create table contest
(cons id number(20) references constituency(cons_id),
cand id number(12) references candidates(cand id)
primary key(cons_id,cand_id);
create table voter
(vid number(20) primary key,
vname varchar(20),
vage number (5),
vaddr varchar(20),
cons id number(20) references constituency(cons id),
cand_id number(12) references candidates(cand_id));
select * from constituency;
CONS ID CSNAME
                         CSSTATE
                                            NO OF VOTERS
-----
                           _____
    111 rajajinagar
                          karnataka
                          kerala
    222 ramnagar
                                                        1
select * from party;
PID PNAME
                      PSYMBOL
____
876 bjp
                       lotus
877 congress
                       hand
select * from candidates;
CAND ID PHONE NO AGE STATE
                                             NAME
                                                           PID
___________________
                   23 kerala
24 karnataka
    121 9538904626
                                              raksha 876
    122 9740777502
                                              veena
select * from contest;
CONS_ID CAND ID
     111
              122
```

```
222121222122
```

select * from voter;

VID	VNAME	VAGE	VADDR	CONS_ID	CAND_ID
345	prashanth	21	kanakpura	222	122
346	prakash	23	ramnagar	111	121
348	nagesh	30	mandya	111	121
349	nagesh	30	mandya	111	121

Query 1:

select * from candidates where cand_id in (select cand_id from contest
join constituency on contest.cons_id=constituency.cons_id
group by cand_id having count(distinct(csstate))>1);

CAND_ID	PHONE_NO	AGE	STATE	NAME		PID
122	9740777502	24	karnataka		veena	877

Query 2:

select csstate from constituency group by csstate having count(csstate)
in (select max(count(csstate)) from constituency group by csstate);

CSSTATE

karnataka

query 3:

```
or replace procedure agechecking ( id in number, age in
   number)
     as
     BEGIN
     if age>18 then
     insert into voter(vid, vage) values (id, age);
     dbms output.put line('age should be high');
     end if;
    end agechecking;
Procedure created.
SQL> set serveroutput on;
SQL> exec agechecking (25,21);
PL/SQL procedure successfully completed. // row inserted
SQL> exec agechecking (20,15);
age should be high //Message displayed as age is less than or equal to 18
PL/SQL procedure successfully completed.
```

```
create or replace procedure display count
  const id number
 )
 as
 vid constituency.cons id % type;
 begin
 select no of voters into vid from constituency where cons id = const id
and rownum = 1;
 dbms_output.put_line ( 'total voters are: ' || vid);
 end;
Procedure created.
SQL> select * from constituency;
                                                 NO OF VOTERS
 CONS ID CSNAME
                            CSSTATE
_____ ____
     111 rajajinagar
                          karnataka
      222 ramnagar
                             kerala
                                                           1
SQL> exec display_count(111);
total voters are: 2
Query 5:
    create or replace trigger count
    after insert on voter
    for each row
    begin
    update constituency
    set no_of_voters = no_of_voters + 1
    where cons_id=:new.cons_id;
   end count;
Trigger created.
SQL> set serveroutput on;
SQL> select * from constituency;
                             CSSTATE NO_OF_VOTERS
  CONS_ID CSNAME
    -----
      111 rajajinagar
                             karnataka
      222 ramnagar
                             kerala
SQL> insert into voter values (348, 'nagesh', 30, 'mandya', 111, 121);
1 row created.
After insertion into voter table , the constituency table is
automatically updated.
SQL> select * from constituency;
                                       NO OF VOTERS
  CONS ID CSNAME
      111 rajajinagar karnataka
                                                           3
                                                            1
      222 ramnagar
                             kerala
```

query 4: