**Roll No:**

**Student Name:**

**Program and Output:**

Drop table branchmaster;

Create table Branchmaster(branch\_id int, branch\_name varchar(15));

Insert into branchmaster values (1, ’Kharadi’);

Insert into branchmaster values (2, ’wagholi’);

Insert into branchmaster values (3, ’Hadapsar’);

Select \* from branchmaster;

Drop table empmaster;

Create table Empmaster(emp\_id int,emp\_name varchar(15), branch\_id int, salary int, dept varchar(15),manager\_id varchar(10));

Insert into empmaster values(10, ’aryan’,2,40000, ’manager’,11);

Insert into empmaster values(11, ’kiran’,4,20000, ’admin’,12);

Insert into empmaster values(12, ’peter’,3,50000, ’HR’,13);

+--------+----------+-----------+--------+-----------+------------+

| emp\_id | emp\_name | branch\_id | salary | dept | manager\_id |

+--------+----------+-----------+--------+-----------+------------+

| 10 | Aryan | 2 | 40000 | Manager | NULL |

| 11 | Kiran | 4 | 5000 | Admin | 10 |

| 12 | Carol | 1 | 60000 | Assistant | 10 |

| 13 | Peter | 3 | 120000 | Senior | 10 |

| 14 | Bob | 5 | 110000 | HR | 10 |

+--------+----------+-----------+--------+-----------+------------+

Create table contactdetails(emp\_id int,email\_id varchar(20), phone\_no int);

Insert into contactdetails values (10, ’peter@gmail.com’,1234567890);

Insert into contactdetails values (11, ’kiran@gmail.com’,1234567891);

Insert into contactdetails values (12, ’arayn@gmail.com’,1234567892);

+--------+-----------------+------------+

| emp\_id | email\_id | phone\_no |

+--------+-----------------+------------+

| 11 | kiran@gmail.com | 9890154761 |

| 10 | aryan@gmail.com | 8806058754 |

| 13 | peter@hotmail.c | 9373203456 |

+--------+-----------------+------------+

Create table Branchaddress(branch\_id int ,city varchar(15), state varchar(15));

Insert into Branchaddress values (1, ’pune’, ’Maharashtra’);

Insert into Branchaddress values (2, ’mumbai’, ’Maharashtra’);

Insert into Branchaddress values (3, ’kolkata’, ’bengal’);

+-----------+-----------+-------------+

| branch\_id | city | state |

+-----------+-----------+-------------+

| 1 | Pune | Maharashtra |

| 2 | Kolkata | West Bengal |

| 3 | Mumbai | Maharashtra |

| 4 | Bangalore | Karnataka |

| 5 | Cuttack | Orissa |

+-----------+-----------+-------------+

Create table Empaddressdetails(emp\_id int ,street varchar(20),city varchar(15),state varchar(15));

Insert into Empaddressdetails values (10, ’vadgoan’,’pune’, ’Maharashtra’);

Insert into Empaddressdetails values (11, ’link road’, ’mumbai’, ’Maharashtra’);

Insert into Empaddressdetails values (12, ’park road’,’kolkata’, ’bengal’);

+--------+------------+-----------+-------------+

| emp\_id | street | city | state |

+--------+------------+-----------+-------------+

| 10 | vadgaon | Pune | Maharashtra |

| 11 | Link Road | Mumbai | Maharashtra |

| 12 | Park stree | Kolkata | West Bengal |

| 13 | Roha | Bangalore | Karnataka |

| 14 | Street roa | Cuttack | Orissa |

+--------+------------+-----------+-------------+

**Now apply the all queries on above table**

**2. List the employee details along with branch name using the inner join and in the order of emp\_no.**

select emp\_id,emp\_name,branch\_name from Empmaster e inner join Branchmaster b on

e.branch\_id=b.branch\_id order by emp\_id;

select emp\_id,emp\_name,branch\_name from Empmaster e full join Branchmaster b on

e.branch\_id=b.branch\_id order by emp\_id;

**3. List the details of employee who belong to admin department along with the branch**

**name to which they belong.**

select emp\_name,dept,branch\_name from Branchmaster b,Empmaster e where

b.branch\_id=e.branch\_id and dept=’manager’;

**4. List the employee name along with the phone no and city using inner join.**

select emp\_name,phone\_no,city from Empmaster e inner join Empaddressdetails a on

e.emp\_id=a.emp\_id inner join contactdetails c on e.emp\_id=c.emp\_id;

**5. List the employee name with the contact details (if any).**

select emp\_name,email\_id,phone\_no from Empmaster e left join contactdetails c on

e.emp\_id=c.emp\_id;

**6. List the employee contact details irrespective of whether they are working or have left.**

delete from Empmaster where emp\_id=12;

select \* from Empmaster;

select emp\_name,email\_id,phone\_no from Empmaster e right join contactdetails c on

e.emp\_id=c.emp\_id;

**7. Retrieve the employee name and their respective manager name.**

select e1.emp\_name,e2.emp\_name as Manager from Empmaster e1,Empmaster e2 where

e1.manager\_id=e2.emp\_id;

**8. List the employee details along with branch name using natural join.**

select emp\_name,dept,branch\_name,salary from Branchmaster b natural join Empmaster e;

**9. List the employee names who work at the vadgaon branch along with the city of that**

**employee.**

select e.emp\_id,emp\_name,city from Empmaster e,Branchmaster b,Empaddressdetails a

where b.branch\_name=’wagholi’ and b.branch\_id=e.branch\_id and e.emp\_id=a.emp\_id;

**10. Find the employee who works at the vadgaon branch with salary>10000 and list the**

**employee names with streets and city they live in.**

select emp\_name,street,city,salary from Empmaster e,Empaddressdetails a where

e.emp\_id=a.emp\_id and e.emp\_id in(select emp\_id from Branchmaster b,Empmaster c where

branch\_name=’Vadgaon’ and salary>10000 and b.branch\_id=c.branch\_id);

**11. Find the employees who live and work in same city.**

select emp\_name from Empmaster e,Branchmaster b,Empaddressdetails

a,Branchaddress c where e.emp\_id=a.emp\_id and b.branch\_id=e.branch\_id and

c.branch\_id=b.branch\_id and c.city=a.city;

**12. Find the employees whose salaries are more than everybody who works at branch**

**vadgaon.**

select emp\_name from Empmaster where salary>all(select salary from Empmaster

e,Branchmaster b where e.branch\_id=b.branch\_id and branch\_name=’Vadgaon’);

**13. Create a view which will contain total employees at each branch.**

create view TotEmp as select branch\_name,count(emp\_id) as TotalEmployees from

Empmaster e,Branchmaster b where e.branch\_id=b.branch\_id group by e.branch\_id;

select \* from totemp;

**14. List the branch names where employee have a salary>100000.**

select branch\_name from Empmaster e,Branchmaster b where e.branch\_id=b.branch\_id

and salary<100000;

**15. Create a view which will show the avg salary and the total salary at each branch.**

create view Emp as select branch\_name,avg(salary),sum(salary) from Empmaster

e,Branchmaster b where e.branch\_id=b.branch\_id group by e.branch\_id;

select \* from emp;

**16. Find the employee who do not have a job at vadgaon branch.**

select emp\_name from Empmaster e,Branchmaster b where e.branch\_id=b.branch\_id and

e.branch\_id not in(select branch\_id from Branchmaster where branch\_name=’vadgaon’);