NAME: ANANYA PRASAD

REGNO: 20BCE10093

ASSIGNMENT 2

```
mysql> insert into payroll values(101, 'Tom', 25000, 'sales', 1000, 1000, 2000, '1994-02-11');
Query OK, 1 row affected (0.01 sec)
mysql> insert into payroll values(102, 'Sathiya', 26000, 'management', 1500, 1000, 2000, '1995-12-1');
Query OK, 1 row affected (0.00 sec)
mysql> insert into payroll values(103, 'Harry', 30000, 'sales', 2500, 1000, 1000, '1993-10-18');
Query OK, 1 row affected (0.00 sec)
mysql> insert into payroll values(104, 'Tim', 29000, 'management', 2000, 1500, 2000, '1995-10-8'); Query 0K, 1 row affected (0.01 sec)
mysql> insert into payroll values(105, 'Garry', 33000, 'sales', 1000, 1500, 2000, '1992-08-19');
Query OK, 1 row affected (0.00 sec)
 ysql> select * from payroll where department = 'sales';
  empid | name | gross_salary | department | DA | TA
    101 | Tom
103 | Harry
105 | Garry
                               25000 | sales
                                                                  1000
1000
                                                                                    1994-02-11
1993-10-18
                                         sales
                                       sales
                                                                  1500
                                                                                    1992-08-19
 ysql> select * from payroll where gross_salary >= 26000;
  empid | name | gross_salary | department | DA | TA
                                                                           | HRA | jdate
            Sathiva
                                                                     1000
1500
                                                                              1000
2000
                                                                                       1993-10-18
1995-10-08
                                                            2000
                                           management
```

```
mysql> select * from payroll where jdate between '2022-04-10' and '2022-07-02';
Empty set (0.00 sec)
mysql>
```

```
### Part | Part
```

```
insert into supplier values(101, 'Anne', 'Delhi') OK, 1 row affected (0.01 sec)
  sql> insert into supplier values(105, 'Macy', 'Kolkata');
ery OK, 1 row affected (0.01 sec)
       101 | Anne
102 | Bella
103 | Tom
104 | Harry
105 | Macy
  sql> insert into part values(004, 'Cushion', 2.00, 35, 'Green');
ary OK, 1 row affected (0.01 sec)
  sql> insert into supply values(103, 002, 15);
ery OK, 1 row affected (0.01 sec)
mysql> select p.part_name,s.supplier_no from part as p, supply as s where p.part_no = s.part_no;
| part_name | supplier_no |
  Light
                                      101
                                      103
   Cover
   Cover
                                      104
                                      102
   Lamp
mysql> select supplier_name, color from supplier, part where color = 'red';
  supplier_name | color |
                          Red
  Anne
  Bella
                            Red
   Tom
                            Red
  Harry
                            Red
  Macy
                            Red
```

5 rows in set (0.01 sec)

```
mysql> use assign;
Database changed
nysql> create table employee;
ERROR 1113 (42000): A table must have at least 1 column
mysql> create table employee(emp_name varchar(30), street varchar(40), city varchar(50));
Query OK, 0 rows affected (0.07 sec)
mysql> create table company(emp_name varchar(30), city varchar(50));
Query OK, 0 rows affected (0.06 sec)
mysql> create table works(emp_name varchar(30), company_name varchar(50), salary int(100));
Query OK, 0 rows affected (0.05 sec)
mysql> create table manages(emp_name varchar(30), manager_name varchar(50));
Query OK, 0 rows affected (0.06 sec)
mysql> desc employee;
 Field
                         | Null | Key | Default | Extra
           Type
            varchar(30)
 emp_name |
                         YES
                                        NULL
            varchar(40)
 street
                          YES
                                        NULL
 city
            varchar(50) | YES
                                        NULL
 rows in set (0.01 sec)
mysql> desc works;
 Field
                             | Null | Key | Default | Extra
               Type
                 varchar(30)
                              YES
                                            NULL
 emp_name
 company_name
                 varchar(50)
                                            NULL
                             YES
                int(100)
                                           NULL
 salary
3 rows in set (0.00 sec)
mysql> desc company;
                         | Null | Key | Default | Extra |
 Field
           Type
            varchar(30)
                                        NULL
 emp_name
            varchar(50)
                                        NULL
 city
                         YES
2 rows in set (0.01 sec)
```

mysql> desc manages;					
Field	Туре	Null	Key	Default	Extra
–	varchar(30) varchar(50)			NULL NULL	
2 rows in set (0.01 sec)					

```
(a) Select name employee name, city from works, employee where company name = "Indian Bank";

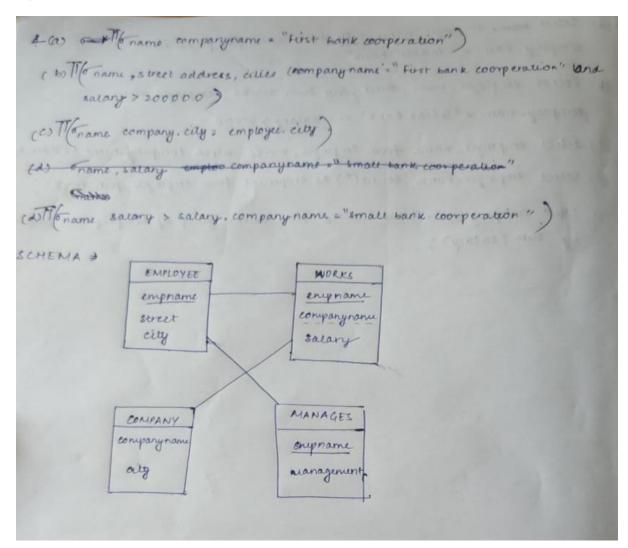
(b) Stlect employee name, street, city from works, employee where company name = "Indian Bank" and salary > 25000;

(c) Select employee name from employee, works which company name != Indian Bank;

(d) Select employee name from employee, works which company name != Indian Bank;

(e) Select employee name count(*) as employees foin works;

(e) Select company name, sum (salary) from works group by company name order by sum (salary);
```



Relational Query

```
1(a) T( & mame, empid ) (department = 'sales') (payrou)

(b) T(R, TA, HR) (payrou)

(c) T(DA, TA, HRA) (name = 'sathiya') (payrou)

(d) MAX (salary) (department. payrou)

(e) X (jaate > 10 - Apr-22 to jaate < 2-Jul-22) (payrou)

2 (a) (part.name) part. supplier = supply: item. supplier

(b) (part.name) part. color = 'red')

(c) (name, avg (part.color = 'bue') > avg, supplier.city)

(d) (name, quantity > 2) supplier.
```