## CSE 2005:

Database Management systems

Digital assignment

Done by: Prithak Gajurel

1. Create the following table. Include the KEY and NULL Constraint at the time of creating the table

## **Employee**

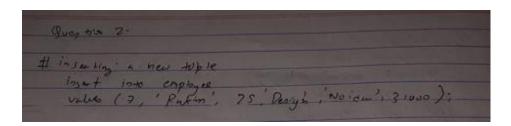
ID	Name	AGE	Department	Address	Salary
1	Prabhat	25	Sales	Delhi	25000
2	Rimpa	27	Manufacturing	Mumbai	20000
3	Saikat	31	Manufacturing	Kolkata	30000
4	Sagar	29	Finance	Noida	34000
5	Naina	30	Finance	Kerela	29000
6	Rahul	28	Finance	Chennai	27000

guestes 1.
Create de base de base 1;
Create table complayer
124 Prinas ky
Create table complayer (ID int primary buy, have varcher (200) not no 11,
deput mod Vari 1200
department various (2007, mill), address var char (2007 hull),
Sidery int no 11
show tobles;
describe en players;
laser 1 12to employ of
Insert into employed values 1, Dehli's 25000 li
values ( 2 P. of 22 Min & 1
rolles (2, Ringh , 22, Man factory, Munday, 2000);
Villes (3, Sul Kest 31, Manufecture, 1 Fetter 3, 1
values ( 4, Super, 25, France, Nisa, 37000)
values (4, Super, 25, Firma, Misa, 37000)
in Start in to consologed
in let in to cripland value (5 Nainui 30 , Flore , keedin 29000)
values 16, "Ruhul", 28, Finalso (Chings)
voles (0, Ruhul ex 8, Foreto ( Chengai 1270m)

```
create database database1;
 1 •
 2 •
     use database1;
      #creating table
 3
 4 •
      create table employee
 5 ⊝ (
 6
      ID int primary key,
      name varchar(200) not null,
 7
      age int,
 8
      department varchar(200) null,
 9
      address varchar(200) null,
10
11
      salary int null
12
      );
13 •
      show tables;
      describe employee;
14 •
15 •
      insert into employee
      values(1, 'Prabhat', 25, 'sales', 'Dehli', 25000);
16
      insert into employee
17 •
      values(2, 'Rimpa', 27, 'Manufacturing', 'Mumbai', 20000);
18
19 •
      insert into employee
      values(3, 'Saikat', 31, 'Manufacturing', 'Kolkota', 30000);
20
21 •
      insert into employee
      values(4, 'Sagar', 29, 'Finance', 'Noida', 34000);
22
23 •
      insert into employee
      values(5, 'Naina', 30, 'Finance', 'Kerela', 29000);
24
25 •
      insert into employee
      values(6, 'Rahul', 28, 'Finance', 'Chennai', 27000);
26
27 •
      select * from employee;
```

	ID	name	age	department	address	salary
•	1	Prabhat	25	sales	Dehli	25000
	2	Rimpa	27	Manufacturing	Mumbai	20000
	3	Saikat	31	Manufacturing	Kolkota	30000
	4	Sagar	29	Finance	Noida	34000
	5	Naina	30	Finance	Kerela	29000
	6	Rahul	28	Finance	Chennai	27000

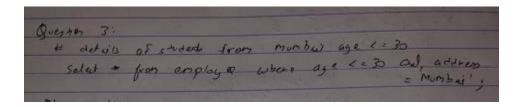
2. Write the query to insert a new tuple (7, Raktim, 25, Design, Noida, 31000)



```
27 • select * from employee;
28
29 • insert into employee
30 values(7,'Raktim',25,'Design','Noida',31000);
```

	ID	name	age	department	address	salary
•	1	Prabhat	25	sales	Dehli	25000
	2	Rimpa	27	Manufacturing	Mumbai	20000
	3	Saikat	31	Manufacturing	Kolkota	30000
	4	Sagar	29	Finance	Noida	34000
	5	Naina	30	Finance	Kerela	29000
	6	Rahul	28	Finance	Chennai	27000
	7	Raktim	25	Design	Noida	31000

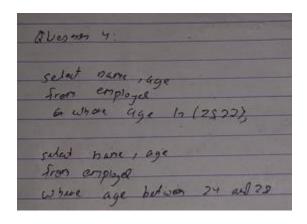
3. Write a query to find the details of an employee where age is <= 30 and residing in Mumbai.



```
select * from employee where age<=30 and address='Mumbai';</pre>
```

	ID	name	age	department	address	salary
•	2	Rimpa	27	Manufacturing	Mumbai	20000

4. Write a query to see the Name and Age of the employee using "IN" and "Between" operator where age can be 25 or 27.



```
34 • select name, age
```

- 35 from employee
- 36 where age in (25,27);

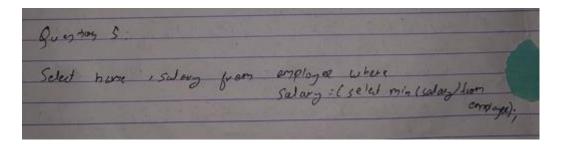
	name	age
١	Prabhat	25
	Rimpa	27
	Raktim	25

## 38 • select name, age

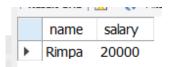
from employee where age between 24 and 28;

	name	age
•	Prabhat	25
	Rimpa	27
	Rahul	28
	Raktim	25

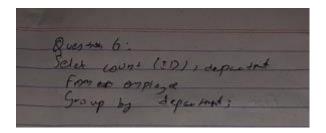
5. Write a query to find the employee who is getting the minimum salary. Display the name and salary



```
40 • select name, salary from employee where salary=(select min(salary) from employee);
```



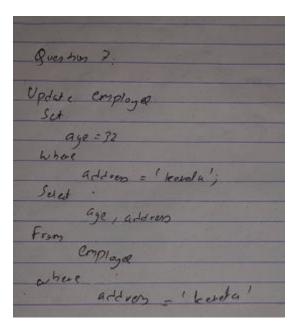
6. Write a query to find the number of employees in each department.



- 42 select COUNT(ID), department
- 43 **from** employee
- 44 **group by** department;

COUNT(ID) department  1 sales
O Manage Carabi color a
2 Manufacturing
3 Finance
1 Design

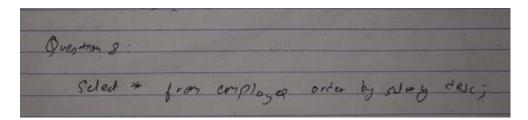
7. Write a query to update the age (new age: 32) of the employee residing in Kerela



```
update employee
set
    age=32
where
    address='Kerela';
SELECT
    age,address
from
    employee
where
    address='Kerela';
```

AGE	ADDRES
32	Kerela

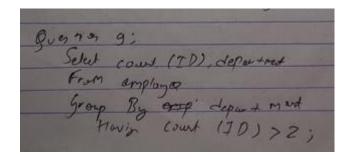
8. Write a query to see the employee details in decreasing order (high to low) of their salary



select \* from employee order by salaray desc;

ID	name	age	department	address	salary
4	Sagar	29	Finance	Noida	34000
7	Raktim	25	Design	Noida	31000
3	Saikat	31	Manufacturing	Kolkota	30000
5	Naina	30	Finance	Kerela	29000
6	Rahul	28	Finance	Chennai	27000
1	Prabhat	25	Sales	Delhi	25000
2	Rimpa	27	Manufacturing	Mumbai	20000

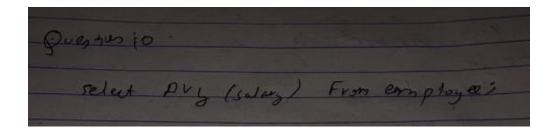
9. Write a query to find the number of employees in each department with more than 2 employees.



select COUNT(ID),department
from employee
group by department
having count (ID)>2;



10. Write a query find the average employee salary that the company have to pay.



65 • select avg(salary) from employee;

	avg(salary)
•	28000.0000