

## Practical - 3

### MySQL Alter table & Select Query

#### CREATING EMPLOYEE TABLE

->create table employee(Name varchar(50) NOT NULL, Age int(03), City varchar(30), Designation varchar(30), Department varchar(25) NOT NULL, Salary decimal(10,2), Joindate Date);

#### INSERTING DATA

->insert into employee (Name, Age, City, Designation, Department, Salary, Joindate) values('Rohan Patel', 26, Null, 'salesman', 'sales', 9000, Null), ('virat', 32, Null, 'admin', 'admin', 10000, Null), ('sameer', 32, Null, 'accountant', 'admin', 12000, null), ('Hares', 24, Null, 'salesman', 'sales', 11000, Null), ('Hema trivedi', 36, 'baroda', 'clerk', 'production', 18000, '1997-03-14'), ('Vimal khatri', 38, 'pune', 'manager', 'production', 25000, '2001-07-23'), ('sunit', 24, 'baroda', 'worker', 'production', 9000, '2005-06-19'), ('reema', 26, 'surat', 'worker', 'sales', 8800, '2007-08-29'), ('ruhan', 33, 'surat', 'clerk', 'admin', 22000, '2008-05-22'), ('suresh', 25, 'baroda', 'peon', 'production', 5000, '2012-02-14'), ('suhana', 34, 'pune', 'manager', 'sales', 30000, '2014-08-23');

1. ADD column emp\_id int(3) in employee table at first position.

- > alter table employee add column emp\_id int(3) first;

2. ADD constraint primary key for emp\_id in employee table.

->alter table employee add constraint pk\_emp PRIMARY KEY(emp\_id);

3. Drop constraint of primary key from emp\_id in employee table.

->alter table employee drop PRIMARY KEY;

4. Delete column emp\_id from employee table.

->alter table employee drop column emp\_id;

5. Display all details of employee details who are working in sales department

->select \* from employee where Department='sales';

6. Display all details of employee details who are not working in sales department.

->select \* from employee where Department<>'sales';

7. Display all details of employee whose age is greater than 30

-> select \* from employee where age>30;

8. Display name, department, designation of employee whose salary is less than 10000

->select name, department, designation from employee where salary<10000;

9. Display all employee who are not a clerk or salesman.

->select \* from employee where designation<>'salesman' and designation<>'clerk';

10. Display name, age , salary of employee whose joining date after 1-1-2011.

->select name,age,salary from employee where joindate>'2011-01-01';

11. Display all details of employee whose age is between 25 to 35.

->select \* from employee where age>25 and age < 35;

12. Display all details of employee working in production or sales department.

->select \* from employee where Department='sales' or Department='production';

13. Display name, age, salary, joindate of employee whose salary is between 15000 to 28000

->select name,age,salary,joindate from employee where salary >15000 and salary < 28000;

14. Display all details of employee whose living in surat and working in production department.

->select \* from employee where city='surat' and department='production';

15. Display all details of employee those are manager in sales department

->select \* from employee where designation='manager' and department='sales';

16. Display name,age,joindate of employee who joins from 1-1-2007 to 31-12-2014.

-> select name,age,joindate from employee where joindate between '2007-01-01' and '2014-12-31';

17. Display names of employee which are start from s and ends form s.

->select name from employee where name like's%s';

18. Display name of employee whose name does not start with H

->select name from employee where name not like'H%';

19. Display name of employee who is clerk in admin department or salesman in sales department.

->select name from employee where department='admin' and designation='clerk' or department='sales' and designation='salesman';

20. Display all the department available in employee table.[each department name must be displayed only once]

->select distinct department from employee;

21. Display all worker lives in Surat city.

->select \* from employee where designation='worker' and city='surat';

22. Display all employee who joins before 12-10-2007

->select \* from employee where joindate < '2007-10-12';

23. Display all employee salary wise and name wise.[first salary,second name]

->select \* from employee order by salary ;

24. Display all employee whose lives in pune with designation manager or lives in Mumbai with designation salesman.

->select \* from employee where city='pune' and designation='manager' or city='mumbai' and designation='salesman';

Queries based on practical-2 tables

25. display all product details from product\_master where quantity on hand greater than 100 and sales price is greater than 300.

->select \* from product\_master where qtyonhand > 100 and sellprice > 300;

26. display all order detail which is placed before order date 30-may-2004 from sales\_order table.

->select \* from sales\_order where orderdate < '2004-05-30';

27. display all orders detail which are fulfilled from sales\_order table.

->select \* from sales\_order where deltype='F';

28. display all order number which have Qty ordered and Qty disp is same from sales\_order\_detail.

29. Display order details of all order which are full and not fulfilled from sales\_order table.

->select \* from sales\_order where deltype='F' and orderstatus <> 'Fulfilled';

30. Display salesman detail who are not from maharashtra.

->select \* from salesman\_master where state <> 'maharashtra';