Practical -4

MySQL Built in Functions and Modification of Data

1. Add new field email id varchar(50) in employee table.
-> alter table employee add column email_id varchar(50) after Name;
   desc employee;

2. Update the city to anand and join date 2009-10-12 of employee rohan patel.
-> Update employee set City='anand', Joindate='2009-10-12' where Name='Rohan Patel';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
   select * from employee;

3. Add the 2 yr to existing age of employee who are worker.
-> Update employee set age=age+2 where designation='worker';
   select * from employee;

4. Update the email id of every employee by using where condition on name.
-> update employee set email_id=concat(name,'abc@gmail.com') where name='Rohan Patel';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

5. Update email id to Null where designation is peon.
-> update employee set email_id=NULL where designation='peon';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

6. Update the city of 'reema' from surat to Mumbai .
-> Update employee set City='Mumbai' where Name='reema';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

7. Increase the salary of all employee of sales department by 500;
-> Update employee set salary=salary+500 where department='sales';
Query OK, 4 rows affected (0.00 sec)
Rows matched: 4 Changed: 4 Warnings: 0

8. Create a copy of employee table name as office
mysql> create table office like employee;
insert record of employee table into office table.
   ➔ create table office like employee;
   ➔ Query OK, 0 rows affected (0.03 sec)
   ➔ insert into office(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','cleark','admin',22000,'2008-05-22'),('suresh',25,'baroda','peon'
➔ ,'production',5000,'2012-02-14'),('suhana',34,'pune','manager','sales',30000,'2014-08-23');
➔ Query OK, 11 rows affected (0.00 sec)
➔ Records: 11 Duplicates: 0 Warnings: 0

9. Update the joindate with current date of employee suhana in office table.
-> update office set Joindate=CURDATE() where Name='suhana';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

10. Delete the records of employee where joindate=NULL from office table.
->

11. Delete the records of employee where age is >35 from office table.
->delete from office where age>35;

12. Delete all records from the employee table.
->delete from employee;

13. Display the joindate in dd/mm/yy format.
->select date_format(Joindate,'%d/%m/%y') as formatted from office;
+-----------+
| formatted |
+-----------+
| NULL |
| NULL |
| NULL |
| NULL |
| 19/06/05 |
| 29/08/07 |
| 22/05/08 |
| 14/02/12 |
| 13/10/23 |
+-----------+
9 rows in set (0.00 sec)

14. Display the joindate of employee in format line day-mon-year e.g 12-aug-1999
->select date_format(Joindate,'%d/%b/%Y') as formatted from office;
```
+-------------+
| formatted   |
+-------------+
| NULL        |
| NULL        |
| NULL        |
| NULL        |
| 19/Jun/2005 |
| 29/Aug/2007 |
| 22/May/2008 |
| 14/Feb/2012 |
| 13/Oct/2023 |
+-------------+
9 rows in set (0.00 sec)
```

15. Display the Joindate of employee like Tuesday 27th September 2011 format
->select date_format(Joindate,' %a %d %b %Y') as formatted from offic
e;
```
+------------------+
| formatted        |
+------------------+
| NULL             |
| NULL             |
| NULL             |
| NULL             |
|  Sun 19 Jun 2005 |
|  Wed 29 Aug 2007 |
|  Thu 22 May 2008 |
|  Tue 14 Feb 2012 |
|  Fri 13 Oct 2023 |
+------------------+
9 rows in set (0.00 sec)
```

16. Display the day of the year for the current date.
->select date_format(now(),'%a %b %Y');
```
+------------------------------+
| date_format(now(),'%a %b %Y') |
+------------------------------+
| Fri Oct 2023                 |
+------------------------------+
1 row in set (0.00 sec)
```

17. Find out the number of days of joining(date difference from current date) of employee working in admin department.
->select datediff(now(),Joindate) as No_Of_DAys_of_Joining from offic
e where department='admin';
+----------------------+
| No_Of_DAys_of_Joining |
+----------------------+
| NULL |
| NULL |
| 5622 |
+----------------------+
3 rows in set (0.00 sec)

18. Display the employee name and designation in format name**designation.(use contact)
->select ConCat(name,'**',Designation) as Name from office;
+----------------------+
| Name |
+----------------------+
| Rohan Patel**salesman |
| virat**admin |
| sameer**accountant |
| Hares**salesman |
| sunit**worker |
| reema**worker |
| ruhan**cleark |
| suresh**peon |
| suhana**manager |
+----------------------+
9 rows in set (0.00 sec)

19. Replace '-' with '/' in employee joindate (replace is just for display purpose it does not change internal storage structure)
->select date_format(joindate,'%y/%m/%d') as date from office;
+----------+
| date |
+----------+
| NULL |
| NULL |
| NULL |
| NULL |
| 05/06/19 |
| 07/08/29 |
| 08/05/22 |
| 12/02/14 |
| 23/10/13 |
+----------+

9 rows in set (0.00 sec)
Queries based on practical -3 tables(order database)

20. Change the city of ClientNO 'C00005' to 'Bangalore'
->update client_master set city='Banglore' where ClientNO='C00005';
Query OK, 1 row affected (0.01 sec)

21. Change the BalDue of ClientNo 'C00001' to Rs. 1000
->update client_master set baldue=1000 where ClientNO='C00001';
Query OK, 1 row affected (0.01 sec)

22.Change the cost price of 'Trousers' to Rs. 950.00
->update product_master set Costprice=950 where description='Trouser';
Query OK, 0 rows affected (0.01 sec)

23.Change the city of the salesman to Pune .
->Update Salesman_Master set city='Pune';
Query OK, 4 rows affected (0.01 sec)
Rows matched: 4 Changed: 4 Warnings: 0

24.Change qtyonhand of 'skirt' to 80.
->update product_master set qtyonhand=80 where description='skirts';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

25. Increase the orderquanty by 1 of all orders for product P00001 in
sales_order_detail table.
->update sales_order_details set qtyordered=qtyordered+1 where productno='P00001';
Query OK, 3 rows affected (0.01 sec)
Rows matched: 3 Changed: 3 Warnings: 0