Nikin abaudaw.
Nitin chaudary
F7
9921103163
Answers are implemented by me on my sql command line client-
First I am pasting entire images of what I have coded and in last I am going to
past entire code which I have written for all answers –

MySQL 8.0 Command Line Client

```
mysql> show databases;
+-----+
 Database
+-----+
 db
 girrafe
 information_schema
 mydb
 mysql
 performance_schema
 sakila
 sys
 world
9 rows in set (0.00 sec)
mysql> create database EEA;
Query OK, 1 row affected (0.05 sec)
mysql> use EEA;
Database changed
mysql> CREATE TABLE Candidate(
    -> Application integer,
    -> Application_date date,
   -> Name varchar(20),
   -> Designation varchar(20),
   -> hire_date date,
   -> Employer varchar(20),
   -> Paypackage Integer);
Query OK, 0 rows affected (0.08 sec)
mysql>
mysql> CREATE TABLE PersonalInformation(
   -> first_name varchar(20),
    -> city varchar(20),
   -> state varchar(20),
   -> Zip_code integer,
   -> Phone Integer);
Query OK, 0 rows affected (0.08 sec)
mysql>
  \blacksquare
        \nearrow Type here to search
```

```
mysql>
mysql> Alter table candidate add primary key(Application);
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> Alter table personalinformation add primary key(city,zip_code);
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> ALTER TABLE personalinformation MODIFY phone integer NOT NULL;
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> insert into candidate values(1,'2004-12-02',"Nitn chaudhary","Developer",'2020-01-01','Google',10700);
Query OK, 1 row affected (0.05 sec)
mysql> insert into candidate values(2,'2000-12-02',"Marycom","Developer",'2020-08-01','Amazon',100000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into candidate values(3,'2000-10-08',"Maeran","Analyst",'2020-08-10','Meta',100000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into candidate values(4,'2000-12-02',"Soj","Developer",'2020-08-10','ABC pharma',10000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into candidate values(5,'2004-10-08',"Manoj","Analyst",'2021-08-10','SDE',15000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into candidate values(6,'2006-12-22',"Murli","Enterprice",'2020-04-03','ABC pharma',60000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into candidate values(7,'2000-11-30',"Saeran","Developer",'2020-01-05','ABC pharma',80000);
Query OK, 1 row affected (0.01 sec)
mysql> insert into candidate values(8,'2000-12-02',"tiejo kaur","Enterprise",'2020-08-10','ABC pharma',10000);
Query OK, 1 row affected (0.01 sec)
```

MySQL 8.0 Command Line Client

```
nysql>
nysql> insert into personalinformation values("Nitin","Noida","india",25001,6398766);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Nin","Noida","india",25701,639345);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Nfhin","Noida","india",25881,636735);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Nifhhn","Noida","india",25901,356829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("randlf","Noida","india",25401,639829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Nfdgjkd","Noida","india",25031,676829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Nifgh","Noida","india",25041,639829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("tin","Noida","india",25071,639839);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("fghn","Noida","india",25039,636829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("uioun","Noida","india",26001,639829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("drgn","Noida","india",25891,376829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("aman","maryland","japan",25031,632829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Nitn","marylan","europe",25031,649821);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("Azino kaur","maryland","Newyork",25001,656837);
```

```
MvSQL 8.0 Command Line Client
mysql> insert into personalinformation values("Amita kaur","","Newyork",25001,893829);
Query OK, 1 row affected (0.01 sec)
mysql> insert into personalinformation values("kaurina ora","","Newyork",25831,373829);
Query OK, 1 row affected (0.05 sec)
mysql> select * from candidate;
  Application | Application_date | Name
                                                                        | Designation | hire_date | Employer | Paypackage |
                       2004-12-02
                                                   Nitn chaudhary
                                                                                                 2020-01-01
                                                                            Developer
                                                                                                                    Google
                                                                                                                                               10700
                                                                            Developer
Analyst
Developer
Analyst
                                                                                                 2020-01-01
2020-08-01
2020-08-10
                       2000-12-02
2000-10-08
                                                   Marycom
Maeran
                                                                                                                    Amazon
Meta
                                                                                                                                              100000
100000
                                                  Maeran
Soj
Manoj
Murli
Saeran
                                                                                                 2020-08-10
2021-08-10
2020-04-03
2020-01-05
                       2000-12-02
2004-10-08
                                                                                                                    ABC pharma
SDE
                                                                                                                                               10000
15000
                       2006-12-22
2000-11-30
                                                                            Enterprice
Developer
                                                                                                                    ABC pharma
ABC pharma
ABC pharma
                                                                                                                                               60000
80000
                       2000-12-02
                                                   tiejo kaur
                                                                            Enterprise
                                                                                                 2020-08-10
                                                                                                                                               10000
```

rows in set (0.00 sec)

mysql> select * from personalinformation;

+	+		+	++
first_name	city	state	Zip_code	phone
first_name Amita kaur kaurina ora Nith Azino kaur aman Nitin Nfdgjkd fghn Nifgh	city marylan maryland maryland Noida Noida Noida	state Newyork Newyork europe Newyork japan india india india	Zip_code 25001 25831 25031 25001 25031 25001 25031 25039	phone
tin tin randlf Nin Nfhin drgn Nifhhn	Noida Noida Noida Noida Noida Noida	india india india india india india india	25041 25071 25401 25701 25881 25891 25901	639839 639829 639345 636735 376829 356829

25891 25901 26001

376829 356829 639829

```
sql> UPDATE personalinformation SET zip_code = REPLACE(zip_code,25001,25011) WHERE zip_code=25001;
Query OK, 3 rows affected (0.06 sec)
Rows matched: 3 Changed: 3 Warnings: 0
y | state | Zip_code | phone
  first_name | city
                                                                                893829
373829
649821
  Amita kaur
kaurina ora
                                            Newyork
Newyork
                                                                  25011
25831
                         marylan
maryland
Moida
Noida
Noida
Noida
Noida
Noida
Noida
Noida
Noida
Noida
                                           Newyork
europe
Newyork
japan
india
india
india
                                                                  25031
25011
25031
25011
  Nitn
                                                                              656837
632829
6398766
  Azino kaur
  aman
Nitin
                                                                  25031
25039
25041
25071
25401
25701
25881
  Nfdgjkd
fghn
Nifgh
                                                                                676829
636829
639829
                                            india
india
india
india
india
india
india
  tin
                                                                                 639839
  randlf
Nin
Nfhin
                                                                                639829
639345
636735
```

l6 rows in set (0.00 sec)

Noida Noida

mysql>

drgn Nifhhn uioun

```
Query OK, 0 rows affected (0.00 sec)
mysql> select * from personalinformation;
 first_name | city | state | Zip_code | phone
 Amita kaur
                                  25011
                                          893829
                       Newyork
                                  25831
 kaurina ora
                       Newyork
                                          373829
             marylan
maryland
                                  25031
 Nitn
                       europe
                                          649821
 Azino kaur
                       Newyork
                                  25011
                                          656837
             maryland
 aman
                       japan
                                  25031
                                          632829
 Nitin
             Noida
                       india
                                  25011
                                         6398766
 Nfdgjkd
             Noida
                       india
                                  25031
                                          676829
 fghn
             Noida
                       india
                                  25039
                                          636829
 Nifgh
             Noida
                                  25041
                                          639829
                       india
                                  25071
 tin
             Noida
                       india
                                          639839
 randlf
                                  25401
             Noida
                       india
                                          639829
                                  25701
                                          639345
 Nin
                       india
             Noida
 Nfhin
             Noida
                       india
                                          636735
                                  25881
 drgn
Nifhhn
                       india
                                  25891
                                          376829
             Noida
             Noida
                       india
                                  25901
                                          356829
                       india
                                  26001
 uioun
             Noida
                                          639829
16 rows in set (0.00 sec)
mysql> alter table candidate add CTC integer;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> describe candidate;
                                        | Null | Key | Default | Extra
  Field
                        Type
                                                  PRI
  Application
                        int
                                         NO
                                                         NULL
  Application_date
                         date
                                          YES
                                                         NULL
  Name
                         varchar(20)
                                          YES
                                                         NULL
                                          YES
  Designation
                        varchar(20)
                                                         NULL
                                          YES
  hire_date
                        date
                                                         NULL
                         varchar(20)
                                          YES
  Employer
                                                         NULL
  Paypackage
                         int
                                          YES
                                                         NULL
  CTC
                        int
                                          YES
                                                         NULL
8 rows in set (0.04 sec)
mysql> select name from candidate where name like 'MA%';
  name
  Marycom
  Maeran
  Manoj
3 rows in set (0.04 sec)
mysql>
```

mysql> DELETE from personalinformation where state='maryland';

```
ysql> select * from candidate;
  Application | Application_date | Name
                                                              | Designation | hire_date | Employer | Paypackage | CTC |
                   2004-12-02
                                           Nitn chaudhary
                                                                                 2020-01-01
                                                                Developer
                                                                                                 Google
                                                                                                                       10700
                                                                                2020-08-01
2020-08-10
2020-08-10
2021-08-10
2021-08-10
                   2000-12-02
2000-10-08
                                                               Developer
Analyst
                                           Marycom
Maeran
                                                                                                                      100000
100000
                                                                                                                                 NULL
NULL
                                                                                                 Amazon
                                                                                                 Meta
                                          Soj
Manoj
Murli
                                                                                                                       10000
15000
                                                                                                 ABC pharma
                   2000-12-02
                                                                Developer
                   2004-10-08
                                                               Analyst
Enterprice
                                                                                                                                 NULL
                   2006-12-22
                                                                                                                       60000
                                                                                                                                 NULL
                                                                                                 ABC pharma
                  2000-11-30
2000-12-02
                                                                                2020-01-05
2020-08-10
                                                                                                                       80000
10000
                                                                                                                                 NULL
NULL
                                                                                                 ABC pharma
                                           tiejo kaur
                                                               Enterprise
                                                                                                 ABC pharma
              8
 rows in set (0.00 sec)
mysql> select count(*) from candidate where hire_date like '2020-08%';
 count(*)
         4
 row in set (0.00 sec)
mysql>
```

```
mysql> select name,employer,paypackage from candidate where designation in ('Developer','Analyst') and paypackage not in (4500,10000,15
                  | employer | paypackage |
 name
 Nitn chaudhary | Google
                                       10700
 Marycom
Maeran
                   Amazon
Meta
                                      100000
 Saeran
                   ABC pharma
                                       80000
rows in set (0.00 sec)
ysql> select name from candidate where name like '__e%';
 name
 Maeran
  Saeran
 tiejo kaur
 rows in set (0.00 sec)
ysql> select name from candidate where employer ='ABC pharma' and paypackage in (60000,80000);
 name
 Murli
 Saeran
 rows in set (0.00 sec)
mysql> select * from candidate where designation like 'Enterpri%' order by designation;
 Application | Application_date | Name
                                                | Designation | hire_date | Employer
                                                                                           | Paypackage | CTC |
                                                                 2020-04-03 | ABC pharma
2020-08-10 | ABC pharma
            6 | 2006-12-22
8 | 2000-12-02
                                                                                                   60000 | NULL
                                                  Enterprice
                                     Murli | Enterprice
tiejo kaur | Enterprise
 rows in set (0.00 sec)
mysql> select employer from candidate;
```

```
mysql> select employer from candidate;
 employer
 Google
 Amazon
 Meta
 ABC pharma
 SDE
 ABC pharma
 ABC pharma
 ABC pharma
8 rows in set (0.00 sec)
mysql> select state,count(*) from personalinformation group by state;
 state | count(*) |
 Newyork
 europe
                  1
 japan
                 11
 india
4 rows in set (0.00 sec)
mysql> select state,count(state) from personalinformation group by state having count(state)>10;
state | count(state) |
                   11 |
 india
1 row in set (0.00 sec)
mysql> select name from candidate where name like '_____' and employer<>'NULL';
 name |
 Manoj
Murli
```

MySQL 8.0 Command Line Client

```
nysql> select name from candidate where name like '_____' and employer<>'NULL';
 name
 Manoj
Murli
rows in set (0.00 sec)
ysql> select name from candidate where paypackage>=ALL(select paypackage from candidate);
 name |
 Marycom
Maeran
2 rows in set (0.00 sec)
mysql> select employer from candidate where hire_date like '2020-01%' and paypackage>50000;
employer
ABC pharma
row in set (0.00 sec)
mysql> select first_name as name from personalinformation where state='newyork' and first_name like '%kaur%';
Amita kaur
kaurina ora
Azino kaur
3 rows in set (0.00 sec)
mysql>
```

```
All content which I write in mysql command line client-
create database EEA;
use EEA;
CREATE TABLE Candidate(
Application integer,
Application_date date,
Name varchar(20),
Designation varchar(20),
hire_date date,
Employer varchar(20),
Paypackage Integer);
CREATE TABLE PersonalInformation(
first_name varchar(20),
city varchar(20),
state varchar(20),
Zip_code integer,
Phone Integer);
Alter table candidate add primary key(Application);
Alter table personalinformation add primary key(city,zip_code);
ALTER TABLE personalinformation MODIFY phone integer NOT NULL;
Alter table candidate add constraint pkg check('package'>0);
```

```
insert into candidate values(1,'2004-12-02',"Nitn chaudhary","Developer",'2020-01-01','Google',10700); insert into candidate values(2,'2000-12-02',"Marycom","Developer",'2020-08-01','Amazon',100000);
```

insert into candidate values(3,'2000-10-08',"Maeran","Analyst",'2020-08-10','Meta',100000);

insert into candidate values(4,'2000-12-02',"Soj","Developer",'2020-08-10','ABC pharma',10000);

insert into candidate values(5,'2004-10-08',"Manoj","Analyst",'2021-08-10','SDE',15000);

insert into candidate values(6,'2006-12-22',"Murli","Enterprice",'2020-04-03','ABC pharma',60000);

insert into candidate values(7,'2000-11-30',"Saeran","Developer",'2020-01-05','ABC pharma',80000);

insert into candidate values(8,'2000-12-02',"tiejo kaur","Enterprise",'2020-08-10','ABC pharma',10000);

```
insert into personalinformation values("Nitin","Noida","india",25001,6398766); insert into personalinformation values("Nin","Noida","india",25701,639345); insert into personalinformation values("Nfhin","Noida","india",25881,636735); insert into personalinformation values("Nifhhn","Noida","india",25901,356829); insert into personalinformation
```

values("randlf","Noida","india",25401,639829);

```
insert into personalinformation
values("Nfdgjkd","Noida","india",25031,676829);
insert into personalinformation
values("Nifgh","Noida","india",25041,639829);
insert into personalinformation values("tin","Noida","india",25071,639839);
insert into personalinformation
values("fghn","Noida","india",25039,636829);
insert into personalinformation
values("uioun","Noida","india",26001,639829);
insert into personalinformation
values("drgn","Noida","india",25891,376829);
insert into personalinformation
values("aman","maryland","japan",25031,632829);
insert into personalinformation
values("Nitn","marylan","europe",25031,649821);
insert into personalinformation values("Azino
kaur","maryland","Newyork",25001,656837);
insert into personalinformation values("Amita
kaur","","Newyork",25001,893829);
insert into personalinformation values ("kaurina
ora","","Newyork",25831,373829);
UPDATE personalinformation SET zip_code =
REPLACE(zip_code,25001,25011) WHERE zip_code=25001;
DELETE from personalinformation where state='maryland';
alter table candidate add CTC integer;
select name from candidate where name like 'MA%';
```

```
select count(*) from candidate where hire_date like '2020-08%';
select name, employer, paypackage from candidate where designation in
('Developer','Analyst') and paypackage not in (4500,10000,15000);
select name from candidate where name like '__e%';
select name from candidate where employer ='ABC pharma' and paypackage
in (60000,80000);
select * from candidate where designation like 'Enterpri%' order by
designation;
select employer from candidate;
select state, count(*) from personalinformation group by state;
select state, count(state) from personalinformation group by state having
count(state)>10;
select name from candidate where name like '_____' and employer<>'NULL';
```

select name from candidate where paypackage>=ALL(select paypackage from candidate);

select employer from candidate where hire_date like '2020-01%' and paypackage>50000;

select first_name as name from personalinformation where state='newyork' and first_name like '%kaur%';

This last query was not executed by me as I am not aware about how to perform operations on dates so I have commented out it.

-- select name from candidate where (Application_date-Hire_date)<All(select (Application_date-Hire_date from candidate));