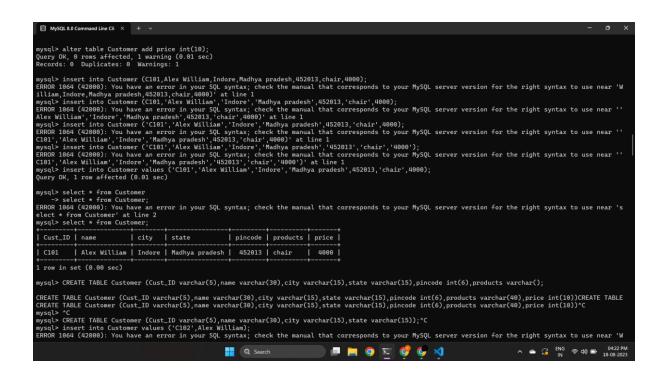
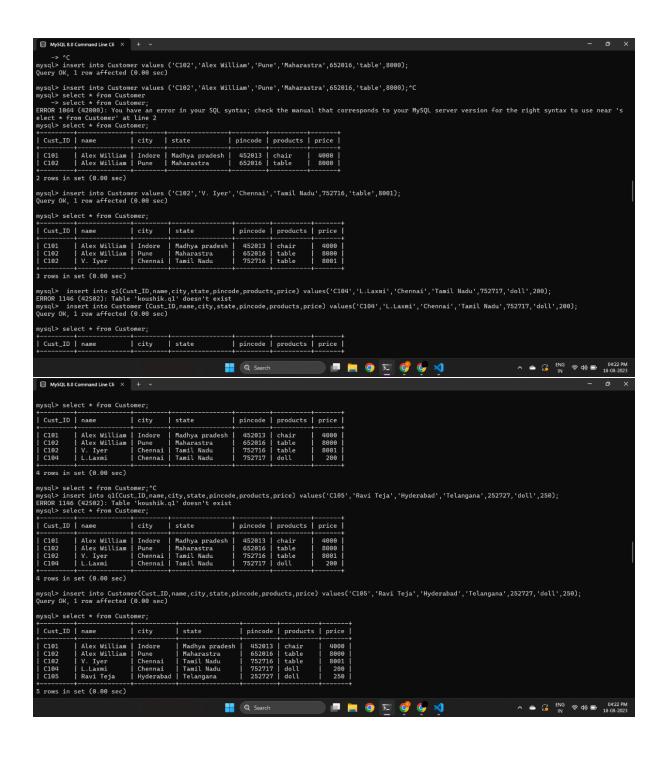
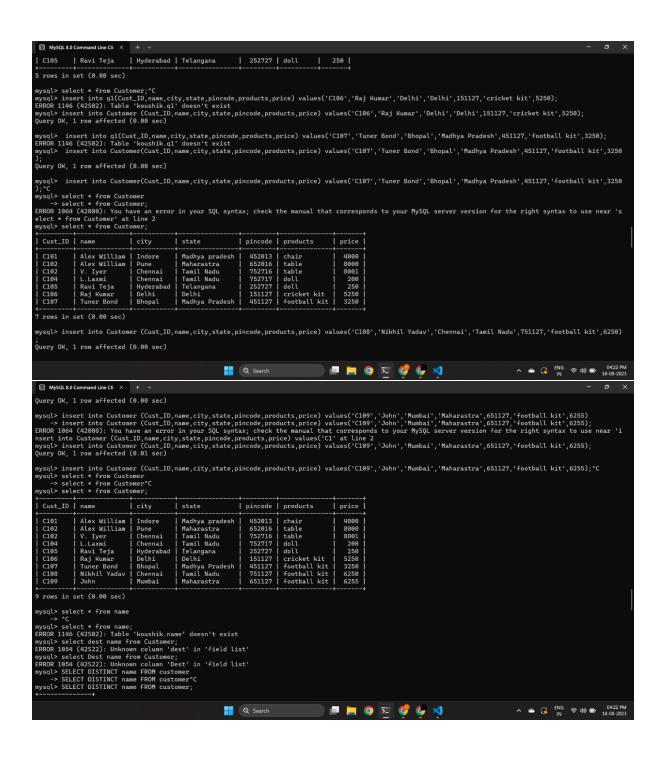
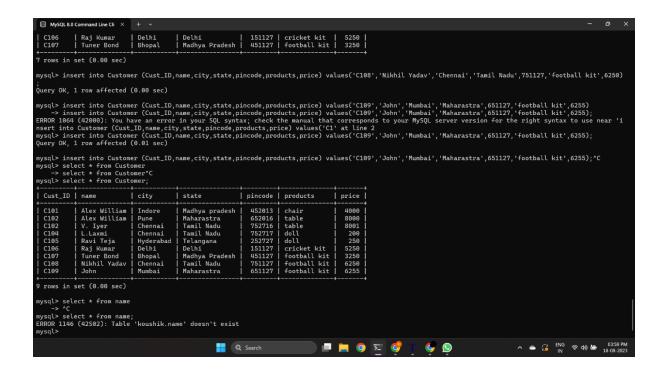
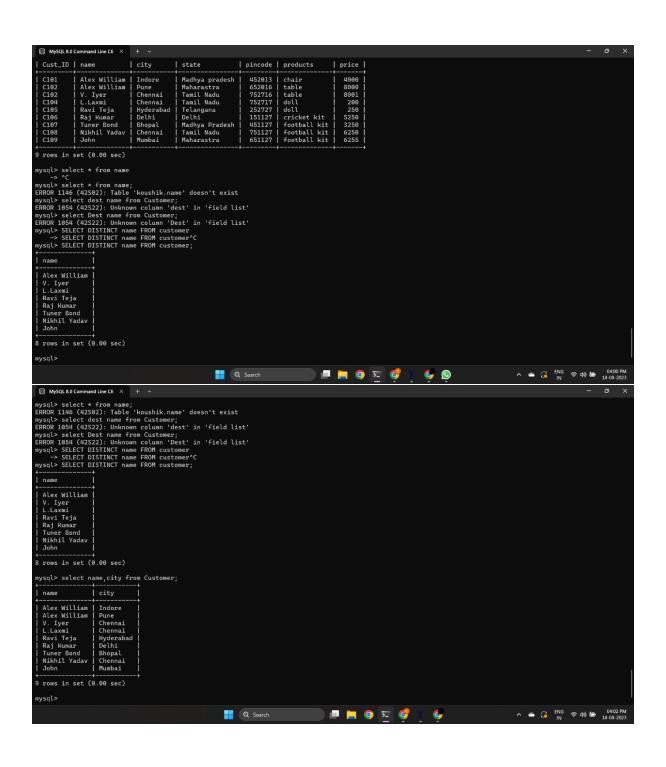
QUESTION 1

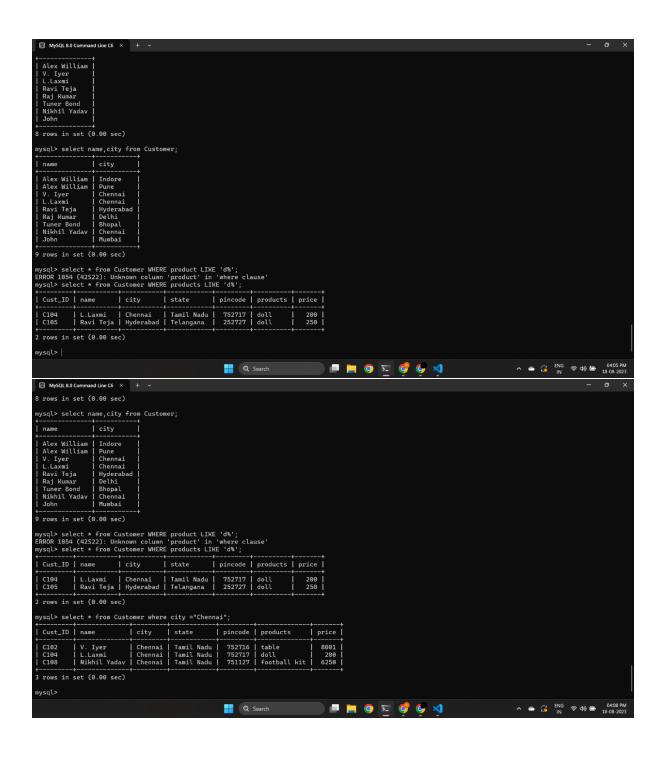


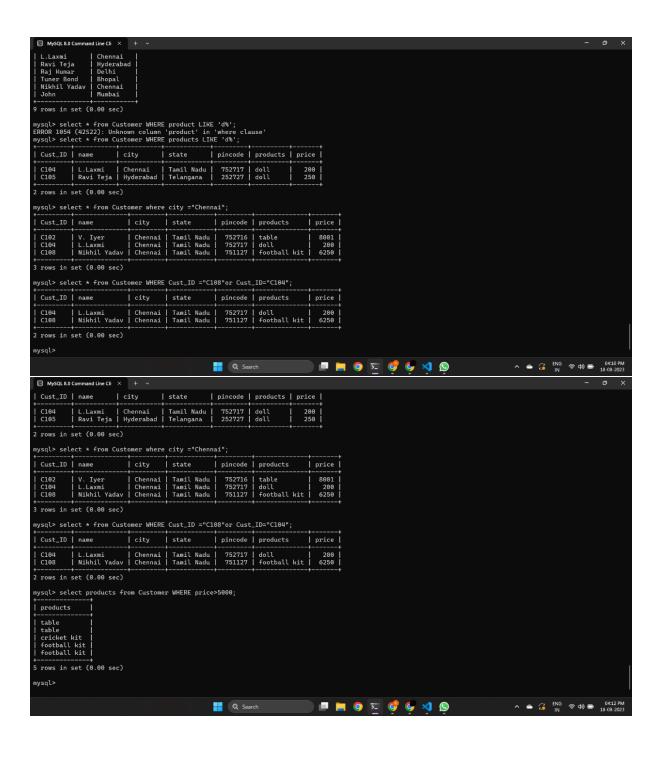




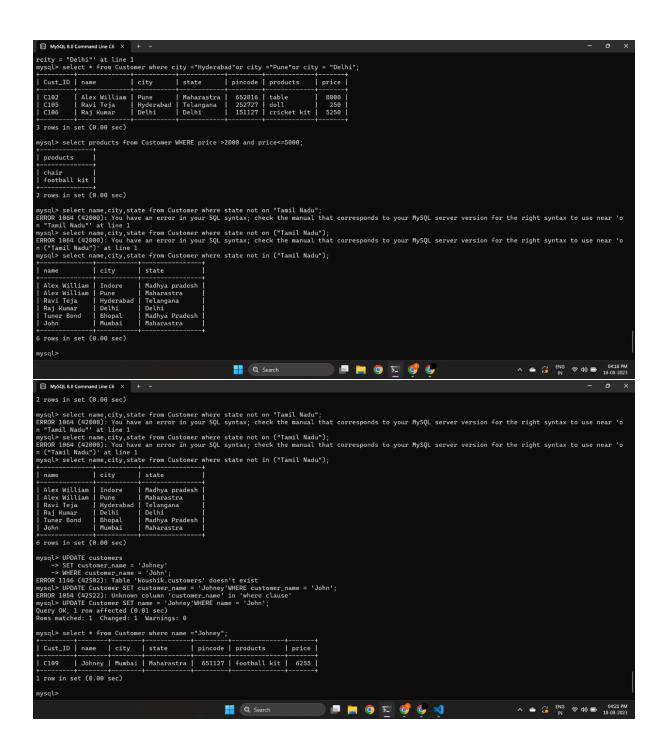


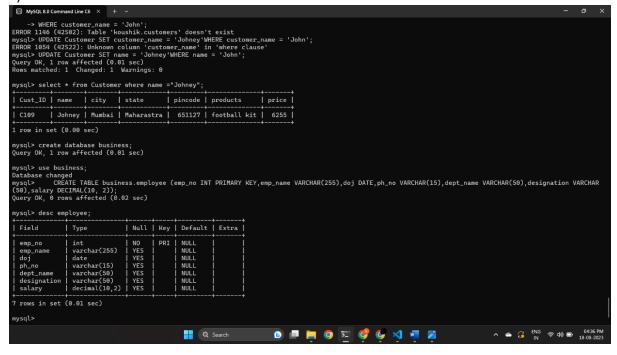


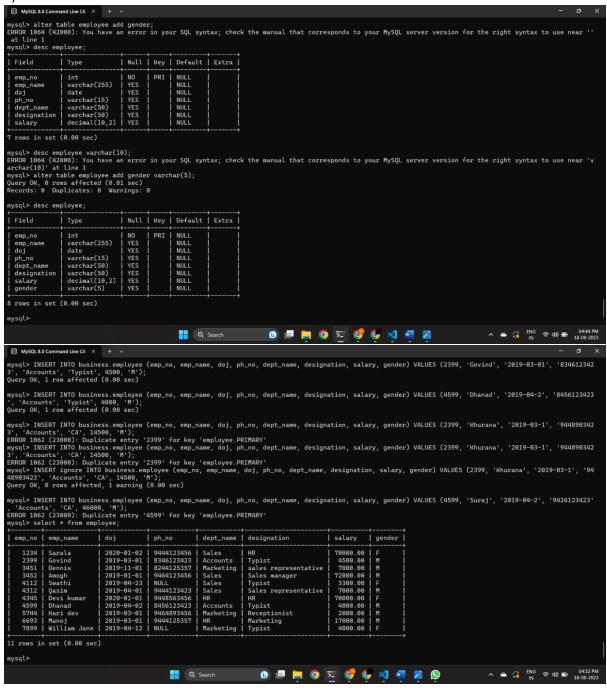












```
mysql> UPDATE business.employee SET salary = 25000 WHERE designation = 'Typist';
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5 Changed: 5 Warnings: 0
mvsal> select * from employee:
               | emp_name
                                                 doj
                                                                     | ph_no
                                                                                             dept_name | designation
                                                                                                                                                        salary
                                                                                                                                                                          gender
 emp_no
                                                                                                                                                          80000.00
55000.00
25000.00
90000.00
       1001
1002
                                                  2023-01-15
                                                                        9444123456
                                                                                               Sales
                                                                                                                   Sales manager
                  Emily Johnson
Michael Davis
Sophia Brown
Liam Wilson
Olivia Martinez
                                                 2023-02-10
2023-03-05
2023-04-20
                                                                        9464123456
                                                                                               HR
                                                                                                                   HR
       1003
1004
                                                                        9444123423
9448563456
                                                                                               Marketing
                                                                                                                   Receptionist
                                                                                               Accounts
                                                                                                                   CA
                                                 2023-04-20
2023-05-10
2023-06-15
2020-01-02
2019-03-01
                                                                                              Sales
HR
Sales
                                                                                                                                                          60000.00
25000.00
70000.00
25000.00
       1005
1006
                                                                       9444125357
9448903423
                                                                                                                   Sales representative
Typist
                                                                                                                                                                             MFFMMMF
                  Sarala
Govind
       1234
                                                                        9444123456
                                                                                                                   HR
                                                                        8346123423
8244125357
                                                                                              Accounts
Marketing
                                                                                                                   ...
Typist
                                                 2019-11-01
2019-01-01
2019-04-23
                                                                                                                                                          7000.00
72000.00
25000.00
       3451
                  Dennis
                                                                                                                   sales representative
Sales manager
      3452
4112
                  Amogh
Swathi
                                                                        9464123456
NULL
                                                                                              Sales
Sales
                                                                                                                   Typist
      4312
4345
                  Qasim
Devi kumar
                                                 2019-04-01
2020-01-01
                                                                        9444123423
                                                                                              Sales
HR
                                                                                                                   Sales representative
HR
                                                                                                                                                          7000.00
70000.00
                                                                                                                                                                             MFMMMF
                                                                       9444123423
9448563456
8456123423
9464893456
9444125357
                  Dhanad
Hari dev
Manoj
William Jane
                                                 2019-04-02
2019-03-01
                                                                                              Accounts
Marketing
HR
                                                                                                                   Typist
Receptionist
       4599
                                                                                                                                                           25000.00
                                                                                                                                                          2000.00
17000.00
                                                  2019-03-01
                                                                                                                   Marketing
       6693
       7899
                                                  2019-04-12
                                                                        NULL
                                                                                               Marketing
                                                                                                                   Typist
                                                                                                                                                           25000.00
17 rows in set (0.00 sec)
```

```
<code>mysql> UPDATE business.employee SET ph_no = '6483648' WHERE emp_name = 'John'; Query OK, 0 rows affected (0.00 sec) Rows matched: 0 Changed: 0 Warnings: 0</code>
mysql> select * from employee;
  emp_no | emp_name
                                                               | ph_no
                                                                                   | dept_name | designation
                                                                                                                                         salary
                                                                                                                                                         gender
                                             2023-01-15
2023-02-10
2023-03-05
                                                                                                        Sales manager
                                                                 9444123456
                                                                                                                                            80000.00
                                                                                                                                           55000.00
25000.00
90000.00
                 Emily Johnson
Michael Davis
                                                                 9464123456
      1002
                                                                                     HR
                                                                                                        HR
       1003
                                                                 9444123423
                                                                                     Marketing
                                                                                                        Receptionist
                                                                                                                                                            *****
                                             2023-04-20
      1004
                 Sophia Brown
                                                                 9448563456
                                                                                     Accounts
                                                                                                        CA
                                            2023-05-10
2023-06-15
2020-01-02
2019-03-01
                                                                                     Sales
HR
Sales
      1005
1006
                Liam Wilson
Olivia Martinez
                                                                9444125357
9448903423
                                                                                                                                           60000.00
25000.00
                                                                                                        Sales representative
                                                                                                        Typist
HR
                Sarala
Govind
                                                                9444123456
8346123423
                                                                                                                                           70000.00
25000.00
      1234
                                                                                                        Typist
                                                                                     Accounts
      2399
                Dennis
Amogh
Swathi
                                            2019-11-01
2019-01-01
2019-04-23
2019-04-01
                                                                 8244125357
9464123456
                                                                                     Marketing
Sales
                                                                                                        sales representative
Sales manager
                                                                                                                                           7000.00
72000.00
       3451
       3452
      4112
4312
                                                                 NULL
                                                                                     Sales
Sales
                                                                                                        Typist
Sales representative
                                                                                                                                           25000.00
7000.00
                Qasim
Devi kumar
                                                                9444123423
9448563456
                                             2020-01-01
                                                                                                        HR
                                                                                                                                            70000.00
      4345
                                                                                     HR
      4599
5744
                                            2019-04-02
2019-03-01
                                                                 8456123423
9464893456
                                                                                     Accounts
Marketing
                                                                                                                                           25000.00
                 Dhanad
                                                                                                        Typist
                                                                                                       Receptionist
Marketing
                 Hari dev
       6693
                Manoj
William Jane
                                            2019-03-01
2019-04-12
                                                                 9444125357
                                                                                     HR
                                                                                                                                            17000.00
                                                                 NULL
                                                                                     Marketing
                                                                                                       Typist
                                                                                                                                            25000.00
      7899
17 rows in set (0.00 sec)
```

```
mysql> SELECT emp_no, emp_name
    -> FROM business.employee
    -> WHERE dept_name LIKE '%s';
+------+
| emp_no | emp_name |
+-----+
| 1001 | John Smith |
| 1004 | Sophia Brown |
| 1005 | Liam Wilson |
| 1234 | Sarala |
| 2399 | Govind |
| 3452 | Amogh |
| 4112 | Swathi |
| 4312 | Qasim |
| 4599 | Dhanad |
+------+
9 rows in set (0.00 sec)
```

7)

```
mysql> UPDATE business.employee SET salary = 25000 WHERE designation = 'Typist';
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5 Changed: 5 Warnings: 0
mysql> select * from employee;
                                                                                                                                                          gender
                emp_name
                                                                ph_no
                                                                                     dept_name | designation
                                                                                                                                           salary
                                            2023-01-15
2023-02-10
2023-03-05
2023-04-20
                                                                9444123456
                 John Smith
                                                                                     Sales
                                                                                                        Sales manager
                                                                                                                                            80000.00
                Emily Johnson
Michael Davis
Sophia Brown
Liam Wilson
Olivia Martinez
                                                                                                                                            55000.00
      1002
                                                                 9464123456
                                                                                                        HR
      1003
1004
                                                                9444123423
9448563456
                                                                                     Marketing
                                                                                                        Receptionist
                                                                                                                                           25000.00
90000.00
                                                                                     Accounts
                                                                                                       Sales representative
Typist
                                                                                                                                           60000.00
25000.00
70000.00
      1005
1006
                                            2023-05-10
2023-06-15
                                                                9444125357
                                                                                     Sales
                                                                                                                                                             M
F
F
                Sarala
Govind
Dennis
                                                                9444123456
                                                                                     Sales
      1234
                                             2020-01-02
                                                                                                        HR
                                            2019-03-01
2019-11-01
2019-01-01
2019-04-23
                                                                                                       Typist
sales representative
Sales manager
      2399
                                                                8346123423
8244125357
                                                                                     Accounts
Marketing
                                                                                                                                            25000.00
      3451
                                                                                                                                             7000.00
                Amogh
Swathi
                                                                                     Sales
Sales
                                                                                                                                           72000.00
25000.00
      3452
                                                                9464123456
      4112
                                                                                                       Typist
Sales representative
                                            2019-04-01
2020-01-01
                                                                 9444123423
      4312
                Oasim
                                                                                     Sales
                                                                                                                                             7000.00
                                                                                                                                                            MFMMM
                                                                9448563456
8456123423
                                                                                                                                           70000.00
70000.00
25000.00
                 Devi kumar
      4599
                                                                                     Accounts
                Dhanad
                                             2019-04-02
                                                                                                        Tvpist
                                             2019-03-01
2019-03-01
                                                                9464893456
9444125357
                                                                                                       Receptionist
Marketing
                                                                                                                                            2000.00
17000.00
      5744
                Hari dev
                                                                                     Marketing
      6693
                William Jane
      7899
                                             2019-04-12
                                                                NIII I
                                                                                     Marketing
                                                                                                        Typist
                                                                                                                                            25000.00
17 rows in set (0.00 sec)
```

```
UPDATE business.employee SET ph_no = '6483648' WHERE emp_name = 'John';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings
mysql> select * from employee;
   emp_no | emp_name
                                          doj
                                                             ph_no
                                                                                dept_name
                                                                                                  designation
                                                                                                                                    salary
                                                                                                                                                   gender
                                           2023-01-15
2023-02-10
2023-03-05
      1001
                John Smith
                                                              9444123456
                                                                                 Sales
                                                                                                   Sales manager
                                                                                                                                     80000.00
                                                              9464123456
9444123423
                                                                                                                                     55000.00
25000.00
      1002
                Emily Johnson
Michael Davis
                                                                                 Marketing
                                                                                                   Receptionist
      1003
                                                                                                                                                     M
F
M
F
                                          2023-03-05
2023-04-20
2023-05-10
2023-06-15
2020-01-02
                                                              9448563456
                                                                                                                                     90000.00
      1005
                Liam Wilson
                                                              9444125357
                                                                                 Sales
                                                                                                   Sales representative
                                                                                                                                     60000.00
      1006
1234
                Olivia Martinez
Sarala
                                                              9448903423
9444123456
                                                                                 HR
Sales
                                                                                                                                     25000.00
70000.00
                                                                                                   Typist
                                                                                                   ric
sales representative
Sales manager
Typist
Sales representative
                Govind
Dennis
                                           2019-03-01
2019-11-01
                                                              8346123423
8244125357
                                                                                 Accounts
Marketing
                                                                                                                                     25000.00
7000.00
      2399
      3451
                Amogh
Swathi
                                           2019-01-01
2019-04-23
                                                                                 Sales
Sales
                                                                                                                                     72000.00
25000.00
      3452
                                                              9464123456
                                                              NULL
9444123423
      4112
      4312
4345
                Qasim
Devi kumar
                                           2019-04-01
2020-01-01
                                                                                 Sales
                                                                                                                                     7000.00
70000.00
                                                                                                                                                     MFMMMF
                                                                                                   Typist
Receptionist
      4599
                Dhanad
                                           2019-04-02
                                                              8456123423
                                                                                 Accounts
                                                                                                                                     25000.00
                                                              9464893456
9444125357
                                                                                                                                     2000.00
17000.00
                Hari dev
                                           2019-03-01
                                                                                 Marketing
                Manoj
William Jane
                                           2019-03-01
                                                                                                   Marketing
      6693
                                                                                 HR
                                           2019-04-12
                                                              NULL
                                                                                 Marketing
                                                                                                                                     25000.00
    rows in set (0.00 sec)
```

```
mysql> UPDATE business.employee
mysql> UPDAIL business.employee
-> SET salary = salary * 1.15
-> WHERE designation = 'Receptionist';
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0
mysql> select * from employee;
  emp_no | emp_name
                                    doj
                                                    ph_no
                                                                     dept_name
                                                                                      designation
                                                                                                                    salary
                                                                                                                                gender
                                     2023-01-15
                                                      9444123456
                                                                                                                    80000.00
     1001
              John Smith
                                                                       Sales
                                                                                      Sales manager
                                                                                                                    55000.00
28750.00
90000.00
                                     2023-02-10
                                                      9464123456
     1002
              Emily Johnson
                                                                       HR
              Michael Davis
                                     2023-03-05
2023-04-20
     1003
                                                      9444123423
                                                                       Marketing
                                                                                      Receptionist
                                                                                                                                  М
              Sophia Brown
     1004
                                                      9448563456
                                                                       Accounts
                                                                                      CA
                                                                                                                                  F
                                      2023-05-10
              Liam Wilson
                                                      9444125357
                                                                       Sales
                                                                                                                    60000.00
                                                                                      Sales representative
                                     2023-06-15
2020-01-02
                                                                      HR
Sales
                                                                                      Typist
                                                                                                                    25000.00
70000.00
     1006
              Olivia Martinez
                                                      9448903423
     1234
              Sarala
                                                      9444123456
                                                                                      HR
                                                                                                                                  F
              Govind
                                     2019-03-01
                                                                                      Typist
                                                                                                                    25000.00
     2399
                                                      8346123423
                                                                       Accounts
                                                                                                                    7000.00
72000.00
25000.00
                                     2019-11-01
2019-01-01
     3451
              Dennis
                                                      8244125357
                                                                       Marketing
                                                                                       sales representative
                                                                                      Sales manager
     3452
              Amogh
                                                      9464123456
                                                                       Sales
                                                                                                                                  М
                                     2019-04-23
     4112
              Swathi
                                                                       Sales
                                                                                      Typist
                                                                                                                    7000.00
70000.00
25000.00
     4312
                                      2019-04-01
                                                      9444123423
                                                                       Sales
                                                                                      Sales representative
                                                                                                                                  M
F
              Qasim
     4345
              Devi kumar
                                     2020-01-01
                                                      9448563456
                                                                       HR
                                                                                      HR
                                                      8456123423
     4599
                                     2019-04-02
                                                                                                                                  М
              Dhanad
                                                                       Accounts
                                                                                      Typist
                                                                                                                    2300.00
17000.00
25000.00
     5744
              Hari dev
                                      2019-03-01
                                                      9464893456
                                                                       Marketing
                                                                                      Receptionist
                                                                                                                                 M
     6693
              Manoi
                                     2019-03-01
                                                      9444125357
                                                                       HR
                                                                                      Marketing
              William Jane
                                     2019-04-12
                                                      NULL
                                                                       Marketing
     7899
                                                                                      Typist
17 rows in set (0.00 sec)
```

```
mysql> SELECT emp_no, emp_name
    -> FROM business.employee
    -> WHERE ph_no IS NULL;
+-----+
| emp_no | emp_name |
+-----+
| 4112 | Swathi |
| 7899 | William Jane |
+-----+
2 rows in set (0.00 sec)
```

13)

```
mysql> TRUNCATE TABLE business.employee;
Query OK, 0 rows affected (0.01 sec)
mysql> select * from employee;
Empty set (0.00 sec)
```

```
mysql> desc employee;
                               Null | Key | Default | Extra
Field
              Type
 emp_no
                                NO
                                       PRI |
                                             NULL
                varchar(255)
                                YES
                                              NULL
 emp_name
 doj
                date
                                YES
                                              NULL
                varchar(15)
                                YES
                                              NULL
 ph_no
 dept_name
                varchar(50)
                                YES
                                              NULL
              varchar(50)
 designation
                                YES
                                             NULL
                decimal(10,2)
 salary
                                YES
                                             NULL
 gender
                varchar(5)
                                YES
                                             NULL
8 rows in set (0.00 sec)
```