Assignment 3

1. Create all given tables

```
mysql> use DB
Database changed
mysql> select * from vehicle;
 vid | vname | price | cdesc
   1 | Activa |
2 | Santro |
                  | 80000 | ksdkjjks
                   800000 | jhghgfjhj
   3 | Motor bike | 100000 | hghgfghf
3 rows in set (0.19 sec)
mysql> select * from customer;
custid cname address
      1 | Nilima | Pimpri
      2 | Ganesh | Pune
      3 | Pankaj | Mumbai
3 rows in set (0.09 sec)
mysql> select * from cust_vehicle;
 custid | vid | sid | buy_price |
      1 | 1 | 10 |
                           75000
            2
                  10 l
      1
                          790000
                  11
      2
             3 |
                          80000
      3
             3
                  11
                           75000
      3 | 2 |
                  10
                        800000
5 rows in set (0.09 sec)
mysql> select * from salesman;
 sid | sname | address |
  10 | Rajesh | Mumbai
  11
      Seema
               Pune
  13 | Rakhi | Pune
3 rows in set (0.05 sec)
```

2. create index on vehicle table based on price

```
mysql> create index price on vehicle(price);
Query OK, 0 rows affected (5.25 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> show index from vehicle
->;

| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment | Visible | Expression
| vehicle | 0 | PRIMARY | 1 | vid | A | 3 | NULL | NULL | BTREE | YES | NULL
| vehicle | 1 | price | 1 | price | A | 3 | NULL | NULL | YES | BTREE | YES | NULL

2 rows in set (1.03 sec)
```

3. find all customer name, vehicle name, salesman name, discount earn by all customer

```
mysql> select c.cname, v.vname, s.sname, round((((price-buy_price)/price)*100),2) DISCOUNT
    -> from cust_vehicle cv, customer c, vehicle v, salesman s
    -> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid;
 cname | vname | sname | DISCOUNT |
 Nilima | Activa | Rajesh |
Nilima | Santro | Rajesh |
                                  6.25
                                    1.25
 Ganesh | Motor bike | Seema |
                                    20.00
          Motor bike | Seema
  Pankaj |
                                    25.00
                      Rajesh
  Pankaj | Santro
                                    0.00
  rows in set (0.00 sec)
```

```
mysql> select cname, vname, sname, (v.price - cv.buy_price) "Discount"
   -> from customer c, vehicle v, salesman3 s, cust vehicle cv
   -> where cv.custid = c.custid and cv.vid = v.vid and cv.sid = s.sid;
         vname
                               Discount
 cname
                      sname
 Nilima | Activa
                       Rajesh | 5000.00
 Nilima | Santro
Pankaj | Santro
                      | Rajesh | 10000.00
                      | Rajesh |
                                     0.00
 Ganesh | Motor bike | Seema
                                20000.00
 Pankaj | Motor bike | Seema
                               25000.00
 rows in set (0.03 sec)
```

4. find all customer name, vehicle name, salesman name for all salesman who stays in pune

```
mysql> select c.cname, v.vname, s.sname
-> from customer c, vehicle v, salesman s, cust_vehicle adr
-> where adr.custid=c.custid and adr.vid=v.vid and adr.sid=s.sid and s.address='Pune';
+-----+
| cname | vname | sname |
+-----+
| Ganesh | Motor bike | Seema |
| Pankaj | Motor bike | Seema |
+-----+
2 rows in set (0.12 sec)
```

5. find how many customers bought motor bike

```
mysql> select *
    -> from vehicle v left join cust_vehicle cv
    -> on v.vid = cv.vid
    -> where v.vname= 'motor bike';
 vid |
                      price
                                cdesc
                                           | custid | vid
                                                             sid
        Motor bike | 100000
Motor bike | 100000
                                hghgfghf
                                                   2
                                                          3
                                                                 11
                                                                           80000
                                                          3
                                                                           75000
                                hghgfghf
                                                                 11
 rows in set (0.48 sec)
```

6. create a view find discount which displays output

-----to create view

create view find discount

as

select cname,vname,price,buying_price,price-buying_price "discount"

from customer c inner join cust vehicle cv on c.custid=cv.cid inner join vehicle v on

v.vid=cv.vid

-----to display discount

select * from find_discount;

```
mysql> create view find discount
   -> select cname, vname, price, buy_price, price-buy_price "discount"
   -> from customer c inner join cust_vehicle cv on c.custid=cv.custid inner join vehicle v on
   -> v.vid=cv.vid;
Query OK, 0 rows affected (0.04 sec)
mysql> select * from find discount;
 cname vname
                     price
                                 | buy_price | discount
 Nilima | Activa
                       80000.00
                                  75000.00
                                              5000.00
 Nilima | Santro
                       800000.00
                                  790000.00
                                              10000.00
 Ganesh | Motor bike
                      100000.00
                                   80000.00
                                              20000.00
 Pankaj
                       800000.00
                                  800000.00
                                                  0.00
          Santro
                      100000.00
 Pankaj | Motor bike |
                                   75000.00 | 25000.00
 rows in set (0.00 sec)
```

7. find all customer name, vehicle name, salesman name, discount earn by all customer

```
mysql> select cname, vname, sname, (v.price - cv.buy_price) "Discount"
    -> from customer c, vehicle v, salesman3 s, cust vehicle cv
    -> where cv.custid = c.custid and cv.vid = v.vid and cv.sid = s.sid;
                               Discount
          vname
  cname
                        sname
 Nilima
          Activa
                        Rajesh
                                  5000.00
 Nilima
          Santro
                        Rajesh
                                 10000.00
  Pankaj
          Santro
                       Rajesh
                                     0.00
          Motor bike
                      Seema
                                 20000.00
 Ganesh
          Motor bike | Seema
  Pankaj |
                                 25000.00
 rows in set (0.03 sec)
```

8. create view my_hr to display empno,ename,job,comm for all employees who earn commission

```
mysql> create view my_hr
    -> as
    -> select empno, ename, job, comm
    -> from emp
    -> where comm > 0;
Query OK, 0 rows affected (0.02 sec)
mysql> select * from my hr;
 empno ename
                job
                              comm
   7499 | ALLEN
                  SALESMAN
                                300.00
                  SALESMAN
   7521
         WARD
                                500.00
   7654
         MARTIN
                  SALESMAN
                               1400.00
   7062
         REVATI
                  OPERATIONS
                                200.00
   8109 | RAJAN
                 OPERATIONS
                                200.00
 rows in set (0.01 sec)
```

9. create view mgr30 to display all employees from department 30

```
mysql> create view mgr30
   -> as
    -> select *
    -> from emp
    -> where deptno = 30;
Query OK, 0 rows affected (0.03 sec)
mysql> select * from mgr30;
                            | MGR | HIREDATE | SAL
                                                          COMM
 EMPNO | ENAME | job
                                                                    DEPTNO
                             7698 | 1981-02-20 |
7698 | 1981-02-22 |
   7499
         ALLEN
                  SALESMAN
                                                 1840.00
                                                             300.00
                                                                         30
   7521
         WARD
                  SALESMAN
                                                 1437.50
                                                             500.00
                                                                         30
   7654
         MARTIN
                  SALESMAN
                             7698
                                    1981-09-28
                                                 1437.50
                                                           1400.00
                                                                         30
   7698
         BLAKE
                  MANAGER
                             7839
                                   1981-05-01
                                                 2850.00
                                                              NULL
                                                                         30
   7844
         TURNER
                  SALESMAN
                             7698
                                   1981-09-08
                                                 1500.00
                                                              0.00
                                                                          30
   7900 JAMES
                 CLERK
                            7698 | 1981-12-03 |
                                                 950.00
                                                              NULL
                                                                         30
 rows in set (0.00 sec)
```

10. insert 3 employees in view mgr30 check whether insertion is possible

```
mysql> insert into mgr30 values (1111, 'Sahil', 'MANAGER','7839','2023-04-16',10127,100,30);
Query OK, 1 row affected (0.05 sec)
mysql> insert into mgr30 values (1112, 'ABC', 'MANAGER','7839','2023-04-16',5555,100,30);
Query OK, 1 row affected (0.01 sec)
mysql> insert into mgr30 values (1113, 'XYZ', 'MANAGER','7839','2023-04-16',6666,100,30);
Query OK, 1 row affected (0.03 sec)
mysql> select * from mgr30;
 EMPNO | ENAME
                                                           COMM
                                                                     | DEPTNO |
                            MGR | HIREDATE
                                                | SAL
                | job
                             7698
                                                             300.00
   7499
        ALLEN
                  SALESMAN
                                    1981-02-20
                                                  1840.00
                                                                           30
   7521
         WARD
                  SALESMAN
                             7698
                                    1981-02-22
                                                  1437.50
                                                             500.00
                                                                          30
   7654
         MARTIN
                  SALESMAN
                             7698
                                    1981-09-28
                                                  1437.50
                                                             1400.00
                                                                          30
                  MANAGER
                             7839
                                    1981-05-01
                                                  2850.00
                                                               NULL
                                                                          30
   7698
         BLAKE
                  SALESMAN
                                                  1500.00
                                    1981-09-08
                                                               0.00
   7844
          TURNER
                             7698
                                                                           30
   7900
         JAMES
                  CLERK
                             7698
                                    1981-12-03
                                                   950.00
                                                               NULL
                                                                          30
   1111
          Sahil
                  MANAGER
                             7839
                                    2023-04-16
                                                 10127.00
                                                             100.00
                                                                          30
                  MANAGER
   1112
         ABC
                             7839
                                    2023-04-16
                                                  5555.00
                                                             100.00
                                                                           30
                  MANAGER
                                   2023-04-16
                                                             100.00
   1113
         XYZ
                            7839
                                                  6666.00
                                                                           30
 rows in set (0.00 sec)
```

11. insert 3 records in dept and display all records from dept

```
mysql> insert into dept values (50,'DATA ENTRY', 'USA');
Query OK, 1 row affected (0.02 sec)
mysql> insert into dept values (60,'MARKETING', 'SEATTLE');
Query OK, 1 row affected (0.05 sec)
mysql> insert into dept values (70,'SECURITY', 'BERLIN');
Query OK, 1 row affected (0.21 sec)
mysql> SELECT * FROM DEPT;
 DEPTNO | DNAME
                      LOC
           ACCOUNTING | NEW YORK
      10
      20
           RESEARCH
                        DALLAS
                        CHICAGO
      30
           SALES
                       BOSTON
          OPERATIONS
      40
      50
          DATA ENTRY
                        USA
      60
          MARKETING
                        SEATTLE
      70 | SECURITY
                        BERLIN
  rows in set (0.00 sec)
```

12. use rollback command check what happens

```
mysql> rollback;
Query OK, 0 rows affected (0.00 sec)
```

13. do the following

insert row in emp with empno 100

insert row in emp with empno 101

insert row in emp with empno 102

add savepoint A

insert row in emp with empno 103

insert row in emp with empno 104

insert row in emp with empno 105

add savepoint B

delete emp with empno 100

delete emp with emp no 104

rollback upto savepoint B

check what all records will appear in employee table

rollback upto A

check what all records will appear in employee table

commit all changes

check what all records will appear in employee table

check whether you can roll back the contents.

```
mysql> set autocommit = 0;
Query OK, 0 rows affected (0.00 sec)
mysql> insert into emp values (100, 'Deepak', 'Accounting','1234','2023-03-16',10000,50,10);
Query OK, 1 row affected (0.00 sec)
mysql> insert into emp values (101, 'kelvin', 'sales','1235','2023-03-16',10000,50,10);
Query OK, 1 row affected (0.00 sec)
mysql> insert into emp values (102, 'Ben', 'operations','4321','2023-03-16',10000,50,10);
Query OK, 1 row affected (0.00 sec)
mysql> select*from emp;
 EMPNO | ENAME | job
                              | MGR | HIREDATE
                                                                        | DEPTNO |
                                                   SAL
                                                              COMM
   7369
          SMITH
                   CLERK
                                7902
                                       1980-12-17
                                                       800.00
                                                                   NULL
                                                                               20
                   SALESMAN
   7499
                                7698
                                       1981-02-20
                                                      1840.00
                                                                 300.00
                                                                               30
          ALLEN
   7521
          WARD
                   SALESMAN
                               7698
                                       1981-02-22
                                                      1437.50
                                                                 500.00
                                                                               30
          JONES
                   MANAGER
                                7839
                                       1981-04-02
                                                      2975.00
   7566
                                                                   NULL
                                                                               20
                   SALESMAN
   7654
          MARTIN
                                7698
                                       1981-09-28
                                                      1437.50
                                                                1400.00
                                                                               30
   7698
         BLAKE
                   MANAGER
                                7839
                                       1981-05-01
                                                      2850.00
                                                                   NULL
                                                                               30
                   MANAGER
   7782
          CLARK
                                7777
                                       1981-06-09
                                                      2817.50
                                                                   NULL
                                                                               10
   7788
          SCOTT
                   ANALYST
                                7566
                                       1982-12-09
                                                      3000.00
                                                                   NULL
                                                                               20
          KING
                   MANAGER
                                       1981-11-17
                                                      5750.00
                                                                   NULL
   7839
                                7777
                                                                               10
   7844
          TURNER
                   SALESMAN
                                7698
                                       1981-09-08
                                                      1500.00
                                                                   0.00
                                                                               30
                                7788
                                       1983-01-12
   7876
          ADAMS
                   CLERK
                                                      1100.00
                                                                   NULL
                                                                               20
   7900
          JAMES
                   CLERK
                                7698
                                       1981-12-03
                                                       950.00
                                                                   NULL
                                                                               30
                                                      3000.00
   7902
          FORD
                   ANALYST
                                7566
                                       1981-12-03
                                                                   NULL
                                                                               20
   7934
          MILLER
                   MANAGER
                                7777
                                       1982-01-23
                                                      1495.00
                                                                   NULL
                                                                               10
   7062
                   OPERATIONS
                                8000
                                       1999-12-09
                                                      2500.00
                                                                 200.00
                                                                               40
          REVATI
          RAJAN
                                8452
                                                      1500.00
                                                                 200.00
   8109
                   OPERATIONS
                                        1999-03-10
                                                                               40
                   MANAGER
   1111
          Sahil
                                7839
                                       2023-04-16
                                                     10127.00
                                                                 100.00
                                                                               30
                                                     5555.00
   1112
          ABC
                   MANAGER
                                7839
                                       2023-04-16
                                                                 100.00
                                                                               30
                   MANAGER
                                       2023-04-16
                                                                 100.00
   1113
          XYZ
                                7839
                                                     6666.00
                                                                               30
    100
          Deepak
                   Accounting
                                1234
                                       2023-03-16
                                                     10000.00
                                                                  50.00
                                                                               10
    101
          kelvin
                   sales
                                1235
                                       2023-03-16
                                                     10000.00
                                                                  50.00
                                                                               10
                 operations | 4321
    102
                                       2023-03-16
                                                     10000.00
                                                                  50.00
                                                                               10
        Ben
```

22 rows in set (0.00 sec)

```
mysql> insert into emp values (103, 'Bill', 'Accounting','1234','2023-03-16',10000,50,70);
Query OK, 1 row affected (0.00 sec)
mysql> insert into emp values (104, 'Tom', 'sales','1236','2023-03-16',10000,50,50);
Query OK, 1 row affected (0.00 sec)
mysql> insert into emp values (105, 'Jerry', 'operations','4321','2023-03-16',10000,50,60);
Query OK, 1 row affected (0.00 sec)
mysql> select*from emp;
                                                                         | DEPTNO |
                                                               COMM
 EMPNO | ENAME
                 | job
                               MGR | HIREDATE
                                                   SAL
                                                       800.00
   7369
          SMITH
                 I CLERK
                                 7902 |
                                        1980-12-17
                                                                   NULL
                                                                               20
   7499
          ALLEN
                   SALESMAN
                                 7698
                                        1981-02-20
                                                      1840.00
                                                                  300.00
                                                                               30
   7521
          WARD
                   SALESMAN
                                 7698
                                        1981-02-22
                                                      1437.50
                                                                  500.00
                                                                               30
   7566
          JONES
                   MANAGER
                                 7839
                                        1981-04-02
                                                      2975.00
                                                                    NULL
                                                                               20
   7654
         MARTIN
                   SALESMAN
                                 7698
                                        1981-09-28
                                                      1437.50
                                                                 1400.00
                                                                               30
   7698
          BLAKE
                   MANAGER
                                 7839
                                        1981-05-01
                                                      2850.00
                                                                    NULL
                                                                               30
                   MANAGER
   7782
          CLARK
                                        1981-06-09
                                                      2817.50
                                                                    NULL
                                                                               10
                                 7777
          SCOTT
                   ANALYST
                                        1982-12-09
   7788
                                 7566
                                                      3000.00
                                                                    NULL
                                                                               28
                   MANAGER
   7839
          KING
                                 7777
                                        1981-11-17
                                                      5750.00
                                                                    NULL
                                                                               10
                                                      1500.00
                   SALESMAN
   7844
          TURNER
                                 7698
                                        1981-09-08
                                                                    0.00
                                                                               30
   7876
          ADAMS
                   CLERK
                                 7788
                                        1983-01-12
                                                      1100.00
                                                                    NULL
                                                                               20
          JAMES
                                        1981-12-03
                                                       950.00
                   CLERK
                                 7698
                                                                    NULL
   7900
                                                                               30
   7902
          FORD
                   ANALYST
                                                      3000.00
                                 7566
                                        1981-12-03
                                                                    NULL
                                                                               20
                                                      1495.00
   7934
          MILLER
                   MANAGER
                                        1982-01-23
                                                                    NULL
                                                                               10
   7062
          REVATI
                   OPERATIONS
                                 8000
                                        1999-12-09
                                                      2500.00
                                                                  200.00
                                                                               40
          RAJAN
                   OPERATIONS
                                 8452
                                        1999-03-10
                                                      1500.00
                                                                  200.00
   8109
                                                                               40
          Sahil
                   MANAGER
                                 7839
                                        2023-04-16
                                                     10127.00
                                                                  100.00
   1111
                                                                               30
                                        2023-04-16
                                                      5555.00
                                                                               30
          ABC
                   MANAGER
                                 7839
                                                                  100.00
   1112
   1113
          XYZ
                   MANAGER
                                 7839
                                        2023-04-16
                                                      6666.00
                                                                  100.00
                                                                               30
                   Accounting
                                        2023-03-16
                                                     10000.00
                                                                   50.00
   100
         Deepak
                                1234
                                                                               10
   101
          kelvin
                   sales
                                 1235
                                        2023-03-16
                                                     10000.00
                                                                   50.00
                                                                               10
                                4321
                                        2023-03-16
                                                     10000.00
                                                                   50.00
                                                                               10
   102
          Ben
                   operations
                                                     10000.00
                                                                   50.00
    103
          Bill
                   Accounting
                                1234
                                        2023-03-16
                                                                               70
   104
          Tom
                   sales
                                 1236
                                        2023-03-16
                                                     10000.00
                                                                   50.00
                                                                               50
    105 | Jerry
                   operations | 4321 |
                                       2023-03-16
                                                     10000.00
                                                                   50.00
                                                                               60
25 rows in set (0.00 sec)
```

mysql> savepoint B;

Query OK, 0 rows affected (0.00 sec)

```
ysql> savepoint B;
Query OK, 0 rows affected (0.00 sec)
mysql> delete from emp where empno = 100;
Query OK, 1 row affected (0.00 sec)
mysql> delete from emp where empno = 104;
Query OK, 2 rows affected (0.00 sec)
mysql> rollback B;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that co
mysql> rollback savepoint B;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that co
at line 1
mysql> rollback to savepoint B;
Query OK, 0 rows affected (0.05 sec)
mysql> select * from emp;
 EMPNO | ENAME
                                       HIREDATE
                                                                COMM
                                                                           DEPTNO
                  job
                               MGR
                                                     SAL
   7369
          SMTTH
                   CLERK
                                 7902
                                         1980-12-17
                                                        1000.00
                                                                     NULL
                                                                                 20
   7499
          ALLEN
                   SALESMAN
                                 7698
                                         1981-02-20
                                                        1625.00
                                                                   300.00
                                                                                 30
                    SALESMAN
                                 7698
                                         1981-02-22
                                                        1625.00
   7521
          WARD
                                                                   500.00
                                                                                 30
                                                        3718.75
   7566
          JONES
                   MANAGER
                                 7839
                                         1981-04-02
                                                                     NULL
                                                                                 20
                                         1981-09-28
                                                                  1400.00
                    SALESMAN
                                                       1625.00
   7654
          MARTIN
                                 7698
                                                                                 30
   7698
          BLAKE
                    MANAGER
                                 7839
                                         1981-05-01
                                                        1625.00
                                                                     NULL
                                                                                 30
                   MANAGER
   7782
          CLARK
                                 7839
                                         1981-06-09
                                                        3062.50
                                                                     NULL
                                                                                 10
                                         1982-12-09
                                                        3750.00
   7788
          SCOTT
                    ANALYST
                                 7566
                                                                                 20
                                                                     NULL
                                         1981-11-17
                   PRESIDENT
                                 NULL
                                                        6250.00
                                                                                 10
   7839
          KING
                                                                     NULL
   7844
          TURNER
                    SALESMAN
                                 7698
                                         1981-09-08
                                                        1625.00
                                                                     0.00
                                                                                 30
   7876
          ADAMS
                    CLERK
                                 7788
                                         1983-01-12
                                                        1375.00
                                                                     NULL
                                                                                 20
          JAMES
                                 7698
   7900
                    CLERK
                                         1981-12-03
                                                        1625.00
                                                                     NULL
                                                                                 30
   7902
          FORD
                   ANALYST
                                 7566
                                         1981-12-03
                                                        3750.00
                                                                     NULL
                                                                                 20
   7934
          MILLER
                    CLERK
                                 7782
                                         1982-01-23
                                                        1625.00
                                                                     NULL
                                                                                 10
                    Accounting
                                 1234
                                                                    50.00
    100
          Deepak
                                         2023-03-16
                                                      10000.00
                                                                                 10
                                         2023-03-16
    101
          Kelvin
                                 1235
                                                      10000.00
                                                                    50.00
                                                                                 10
                    sales
                                                       10000.00
    102
          Ben
                    Operations
                                 1235
                                         2023-03-16
                                                                    50.00
                                                                                 10
    103
          Bill
                    Accounting
                                 1234
                                         2023-03-16
                                                       10000.00
                                                                    50.00
                                                                                 10
    104
                                 1236
                                         2023-03-16
                                                      10000.00
                                                                    50.00
                                                                                 30
          Tom
                    Sales
    104
          Jerry
                   Operations
                                 4321
                                         2023-03-16
                                                      10000.00
                                                                    50.00
                                                                                 40
mysql> rollback to savepoint A;
```

Query OK, 0 rows affected (0.06 sec)

mysql> select * from emp;

| +- | | | | | + | + | + | + |
|---------------------------|-------|--------|------------|------|------------|----------|---------|--------|
| į | EMPNO | ENAME | job | MGR | HIREDATE | SAL | COMM | DEPTNO |
| | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 1000.00 | NULL | 20 |
| | 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1625.00 | 300.00 | 30 |
| Ĺ | 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1625.00 | 500.00 | 30 |
| Ĺ | 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 3718.75 | NULL | 20 |
| Ĺ | 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1625.00 | 1400.00 | 30 |
| Ĺ | 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 1625.00 | NULL | 30 |
| Ĺ | 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 3062.50 | NULL | 10 |
| Ĺ | 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 | 3750.00 | NULL | 20 |
| Ĺ | 7839 | KING | PRESIDENT | NULL | 1981-11-17 | 6250.00 | NULL | 10 |
| Ĺ | 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 | 1625.00 | 0.00 | 30 |
| Ĺ | 7876 | ADAMS | CLERK | 7788 | 1983-01-12 | 1375.00 | NULL | 20 |
| Ĺ | 7900 | JAMES | CLERK | 7698 | 1981-12-03 | 1625.00 | NULL | 30 |
| Ĺ | 7902 | FORD | ANALYST | 7566 | 1981-12-03 | 3750.00 | NULL | 20 |
| Ĺ | 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1625.00 | NULL | 10 |
| Ĺ | 100 | Deepak | Accounting | 1234 | 2023-03-16 | 10000.00 | 50.00 | 10 |
| Ĺ | 101 | Kelvin | sales | 1235 | 2023-03-16 | 10000.00 | 50.00 | 10 |
| Ĺ | 102 | Ben | Operations | 1235 | 2023-03-16 | 10000.00 | 50.00 | 10 |
| ++ | | | | | | | | |
| 17 rows in set (0.00 sec) | | | | | | | | |
| , | | | | | | | | |

```
mysql> rollback to savepoint A;
ERROR 1305 (42000): SAVEPOINT A does not exist
mysql>
```

14. create a procedure getMin(deptno,minsal) to find minimum salary of given table.

```
mysql> delimiter //
mysql> create procedure getMin(dno int)
   -> begin
   -> select deptno, min(sal)
   -> from emp e
    -> where e.deptno = dno
    -> group by deptno;
    -> end//
Query OK, 0 rows affected (0.09 sec)
mysql> delimiter ;
mysql> call getMin(20);
| deptno | min(sal) |
      20 | 1000.00 |
1 row in set (0.04 sec)
Query OK, 0 rows affected (0.04 sec)
mysql> call getMin(10);
| deptno | min(sal) |
     10 | 1625.00 |
1 row in set (0.06 sec)
Query OK, 0 rows affected (0.07 sec)
```