

Views and indexes:-

Vehicle

Vid	Vname	Price	desc
1	Activa	80000	ksldjfksj
2	Santro	8,00000	kdjfkjds
3	Motor bike	100000	fdkdfj

customer

Custid	Cname	address
1	Nilima	Pimpri
2	Ganesh	Pune
3	Pankaj	Mumbai

salesman

Sid	Sname	adress
-----	-------	--------

10	Rajesh	mumbai
11	Seema	Pune
13	Rakhi	pune

cust-vehicle (customer is buying Many vehicle and 1 vehicle can be bought by many customers)

Custid	Vid	Sid	Buy_price
1	1	10	75000
1	2	10	7,90,000
2	3	11	80000
3	3	11	75000
3	2	10	8,00000

1. create all given tables

Ans:-

```
mysql> create table vehicle
```

```
-> (
```

```
-> vid int primary key,
```

```
-> vname varchar(20),
```

```
-> vprice double(9,2),
```

```
-> description varchar(20)
```

```
-> );//
```

Query OK, 0 rows affected, 1 warning (0.10 sec)

```
mysql> insert into vehicle values(1,'Activa',80000,'Two')//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into vehicle values(2,'Santro',800000,'Three')//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into vehicle values(3,'Motorbike',100000,'Two')//
```

Query OK, 1 row affected (0.02 sec)

2. create index on vehicle table based on price

Ans:-mysql> create table customer1

```
-> (
```

```
-> custid int primary key,
```

```
-> cname varchar(20),
```

-> caddress varchar(20)

->)//

Query OK, 0 rows affected (0.08 sec)

mysql> insert into customer1 values(1,'Nilima','Pimpri')//

Query OK, 1 row affected (0.02 sec)

mysql> insert into customer1 values(2,'Ganesh','Pune')//

Query OK, 1 row affected (0.02 sec)

mysql> insert into customer1 values(3,'Pankaj','Mumbai')//

Query OK, 1 row affected (0.02 sec)

mysql> create table salesman1

-> (

-> sid int primary key,

-> sname varchar(20),

-> saddress varchar(20)

->)//

Query OK, 0 rows affected (0.07 sec)

mysql> insert into salesman1 values(10,'Rajesh','Mumbai')//

Query OK, 1 row affected (0.02 sec)

mysql> insert into salesman1 values(11,'Seema','Pune')//

Query OK, 1 row affected (0.02 sec)

mysql> insert into salesman1 values(13,'Rakhi','Pune')//

Query OK, 1 row affected (0.02 sec)

```
mysql> create table cust_vehicle
```

```
-> (
```

```
-> custid int,
```

```
-> vid int,
```

```
-> sid int,
```

```
-> buy_price double(9,2),
```

```
-> primary key (custid,vid),
```

```
-> foreign key (custid) references customer1(custid),
```

```
-> foreign key (vid) references vehicle (vid),
```

```
-> foreign key (sid) references salesman1 (sid)
```

```
->
```

```
-> )//
```

Query OK, 0 rows affected, 1 warning (0.13 sec)

```
mysql> insert into cust_vehicle values(1,1,10,75000)//
```

Query OK, 1 row affected (0.03 sec)

```
mysql> insert into cust_vehicle values(1,2,10,790000)//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into cust_vehicle values(2,3,11,80000)//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into cust_vehicle values(3,3,11,75000)//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into cust_vehicle values(3,2,10,800000)//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> create index price_vehicle
```

```
-> on vehicle(vprice)//
```

Query OK, 0 rows affected (0.22 sec)

Records: 0 Duplicates: 0 Warnings: 0

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

```
mysql> select c.cname,v.vname,s.sname,(v.vprice-cv.buy_price) "Discount"
```

```
-> from customer1 c, vehicle v, salesman1 s,cust_vehicle cv
```

```
-> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid//
```

```
mysql> select c.cname,v.vname,s.sname,(v.vprice-cv.buy_price) "Discount"
-> from customer1 c, vehicle v, salesman1 s,cust_vehicle cv
-> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid//
```

cname	vname	sname	Discount
Nilima	Activa	Rajesh	5000.00
Nilima	Santro	Rajesh	10000.00
Ganesh	Motorbike	Seema	20000.00
Pankaj	Santro	Rajesh	0.00
Pankaj	Motorbike	Seema	25000.00

5 rows in set (0.00 sec)

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

Ans:-

```
mysql> select c.cname,v.vname,s.sname
```

```
-> from customer1 c, vehicle v, salesman1 s, cust_vehicle cv
```

```
-> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid//
```

```
mysql> select c.cname,v.vname,s.sname
-> from customer1 c, vehicle v, salesman1 s, cust_vehicle cv
-> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid//
```

cname	vname	sname
Nilima	Activa	Rajesh
Nilima	Santro	Rajesh
Ganesh	Motorbike	Seema
Pankaj	Santro	Rajesh
Pankaj	Motorbike	Seema

```
5 rows in set (0.00 sec)
```

5. find how many customers bought motor bike

Ans:-

```
mysql> select count(*)
```

```
-> from cust_vehicle cv
```

```
-> where cv.vid=(select v.vid
```

```
-> from vehicle v
```

```
-> where v.vname='Motorbike')//
```

```
mysql> select count(*)
-> from cust_vehicle cv
-> where cv.vid=(select v.vid
-> from vehicle v
-> where v.vname='Motorbike')//
```

count(*)
2

```
1 row in set (0.02 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;
```

Ans:-

```
mysql> create view find_discount
```

```
-> as
```

```
-> select c.cname,v.vname,v.vprice,cv.buy_price,(v.vprice-cv.buy_price)
"Discount"
```

```
-> from customer1 c, vehicle v,salesman1 s,cust_vehicle cv
```

```
-> where cv.vid=v.vid and cv.custid=c.custid and cv.sid=s.sid//
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> select *
```

```
-> from find_discount//
```



```
mysql> create view find_discount
-> as
-> select c.cname,v.vname,v.vprice,cv.buy_price,(v.vprice-cv.buy_price) "Discount"
-> from customer1 c, vehicle v,salesman1 s,cust_vehicle cv
-> where cv.vid=v.vid and cv.custid=c.custid and cv.sid=s.sid//
Query OK, 0 rows affected (0.04 sec)

mysql> select *
-> from find_discount//
```

cname	vname	vprice	buy_price	Discount
Nilima	Aktiva	80000.00	75000.00	5000.00
Nilima	Santro	800000.00	790000.00	10000.00
Ganesh	Motorbike	100000.00	80000.00	20000.00
Pankaj	Santro	800000.00	800000.00	0.00
Pankaj	Motorbike	100000.00	75000.00	25000.00

```
5 rows in set (0.00 sec)
```

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

Ans:-mysql> select c.cname,v.vname,s.sname,(v.vprice-cv.buy_price) "Discount"

-> from customer1 c, vehicle v, salesman1 s,cust_vehicle cv

-> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid//

```
mysql> select c.cname,v.vname,s.sname,(v.vprice-cv.buy_price) "Discount"
-> from customer1 c, vehicle v, salesman1 s,cust_vehicle cv
-> where cv.custid=c.custid and cv.vid=v.vid and cv.sid=s.sid//
```

cname	vname	sname	Discount
Nilima	Aktiva	Rajesh	5000.00
Nilima	Santro	Rajesh	10000.00
Ganesh	Motorbike	Seema	20000.00
Pankaj	Santro	Rajesh	0.00
Pankaj	Motorbike	Seema	25000.00

```
5 rows in set (0.00 sec)
```

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

Ans:-mysql> create view my_hr

-> as

-> select empno,ename,job,comm

-> from emp

-> where comm is not null//

Query OK, 0 rows affected (0.02 sec)

```
mysql> create view my_hr
-> as
-> select empno,ename,job,comm
-> from emp
-> where comm is not null//
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> select *
-> from my_hr//
+-----+-----+-----+-----+
| empno | ename  | job      | comm    |
+-----+-----+-----+-----+
| 7499  | ALLEN  | SALESMAN | 300.00  |
| 7521  | WARD   | SALESMAN | 500.00  |
| 7654  | MARTIN | SALESMAN | 1400.00 |
| 7844  | TURNER | SALESMAN | 0.00    |
+-----+-----+-----+-----+
4 rows in set (0.02 sec)
```

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

Ans:-

```
mysql> create view mgr30
```

-> as

-> select *

-> from emp

-> where deptno=30//

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from mgr30//
```

```
mysql> create view mgr30
-> as
-> select *
-> from emp
-> where deptno=30//
Query OK, 0 rows affected (0.01 sec)

mysql> select * from mgr30//
```

EMPNO	ENAME	job	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	6593.04	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	5150.82	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	5150.82	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	10212.06	NULL	30
7844	TURNER	SALESMAN	7698	1981-09-08	6180.98	0.00	30
7900	JAMES	CLERK	7698	1981-12-03	12197.21	NULL	30

```
6 rows in set (0.00 sec)
```

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

Ans:-

```
mysql> insert into mgr30 values(1001,'akash','manager',7007,'1986-11-12',5250,750,30)//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into mgr30 values(1002,'aditya','clerk',7075,'1984-05-20',4000,300,30)//
```

Query OK, 1 row affected (0.03 sec)

```
mysql> insert into mgr30 values(1005,'Ravina','Analyst',7080,'1990-12-25',8000,1000,30)//
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from mgr30//
```

```
mysql> select * from mgr30//
```

EMPNO	ENAME	job	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	6593.04	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	5150.82	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	5150.82	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	10212.06	NULL	30
7844	TURNER	SALESMAN	7698	1981-09-08	6180.98	0.00	30
7900	JAMES	CLERK	7698	1981-12-03	12197.21	NULL	30
1001	akash	manager	7007	1986-11-12	5250.00	750.00	30
1002	aditya	clerk	7075	1984-05-20	4000.00	300.00	30
1005	Ravina	Analyst	7080	1990-12-25	8000.00	1000.00	30

```
9 rows in set (0.00 sec)
```

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

Ans:-

```
mysql> insert into dept values(10,'Development','San Fransisco')//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into dept values(30,'Testing','Vegas')//
```

Query OK, 1 row affected (0.02 sec)

```
mysql> insert into dept values(50,'Automation','Dubai')//
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into dept values(10,'Development','San Fransisco')//
Query OK, 1 row affected (0.02 sec)

mysql> insert into dept values(30,'Testing','Vegas')//
Query OK, 1 row affected (0.02 sec)

mysql> insert into dept values(50,'Automation','Dubai')//
Query OK, 1 row affected (0.01 sec)

mysql> select * from dept//
+-----+-----+-----+
| DEPTNO | DNAME      | LOC      |
+-----+-----+-----+
| 10     | ACCOUNTING | NEW YORK |
| 20     | RESEARCH   | DALLAS   |
| 30     | SALES      | CHICAGO  |
| 40     | OPERATIONS | BOSTON   |
| 10     | Development | San Fransisco |
| 30     | Testing    | Vegas    |
| 50     | Automation | Dubai    |
+-----+-----+-----+
7 rows in set (0.00 sec)
```

12. use rollback command check what happens

Ans:-

```
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.

Ans:-

```
mysql> insert into emp  
values(100,'Shubham','Clerk',7698,'2000-11-  
25',20000,500,  
20);
```

```
mysql> insert into emp  
values(101,'Akash','Clerk',7698,'2005-11-  
25',20000,500,20  
);
```

```
mysql> insert into emp  
values(102,'Abhi','Clerk',7698,'2005-11-  
25',20000,500,20)  
;
```

```
mysql> savepoint a;
```

```
mysql> insert into emp  
values(103,'Deepak','Manager',7698,'2020-11-  
25',80000,500  
,50);
```

```
mysql> insert into emp  
values(104,'Akanksha','Manager',7698,'2020-10-  
25',80000,5  
00,40);
```

```
mysql> insert into emp  
values(105,'Om','Manager',7698,'2020-10-  
25',80000,500,30)  
;
```

```
mysql> savepoint b;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> delete from emp
```

```
-> where empno=100;
```

```
mysql> delete from emp
```

```
-> where empno=104;
```

```
mysql> rollback to b;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from emp;
```

```
+-----+-----+-----+-----+-----+-----+-----+
-----+-----
--+
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	1300.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1300.00	300.00	30

```
--+
```


| 7521 | WARD | SALESMAN | 7698 | 1981-02-22 |
| 1300.00 | 500.00 | 30

|

| 7566 | JONES | MANAGER | 7839 | 1981-04-02 |
2975.00 | NULL | 20

|

| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 |
| 1300.00 | 1400.00 | 30

|

| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 |
1300.00 | NULL | 30

|

| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 |
2450.00 | NULL | 10

|

| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 |
3000.00 | NULL | 20

|

| 7839 | KING | PRESIDENT | NULL | 1981-11-17 |
5000.00 | NULL | 10

|

| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 |
| 1300.00 | 0.00 | 30

|

| 7876 | ADAMS | CLERK | 7788 | 1983-01-12 |
1100.00 | NULL | 20

|

| 7900 | JAMES | CLERK | 7698 | 1981-12-03 |
1300.00 | NULL | 30

|

| 7902 | FORD | ANALYST | 7566 | 1981-12-03 |
3000.00 | NULL | 20

|

| 7934 | MILLER | CLERK | 7782 | 1982-01-23 |
1300.00 | NULL | 10

|

| 1000 | Bhagyesh | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 30

|

| 1000 | Ashish | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 20

|

| 1002 | Suyash | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 20

|

| 100 | Shubham | Clerk | 7698 | 2000-11-25 |
20000.00 | 500.00 | 20

|

| 101 | Akash | Clerk | 7698 | 2005-11-25 |
20000.00 | 500.00 | 20

|

| 102 | Abhi | Clerk | 7698 | 2005-11-25 |
20000.00 | 500.00 | 20

|

| 103 | Deepak | Manager | 7698 | 2020-11-25 |
80000.00 | 500.00 | 50

|

| 104 | Akanksha | Manager | 7698 | 2020-10-25 |
80000.00 | 500.00 | 40

|

1

$$- - - + - - -$$

check what all records will appear in employee table

Query OK, 0 rows affected (0.00 sec)

-+

1

$$- - - + - - -$$

	7369		SMITH		CLERK		7902		1980-12-17	
--	------	--	-------	--	-------	--	------	--	------------	--

1

| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 |
1300.00 | 300.00 | 30

|

| 7521 | WARD | SALESMAN | 7698 | 1981-02-22
| 1300.00 | 500.00 | 30

|

| 7566 | JONES | MANAGER | 7839 | 1981-04-02 |
2975.00 | NULL | 20

|

| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28
| 1300.00 | 1400.00 | 30

|

| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 |
1300.00 | NULL | 30

|

| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 |
2450.00 | NULL | 10

|

| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 |
3000.00 | NULL | 20

|

| 7839 | KING | PRESIDENT | NULL | 1981-11-17 |
5000.00 | NULL | 10

|

| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08
| 1300.00 | 0.00 | 30

|

| 7876 | ADAMS | CLERK | 7788 | 1983-01-12 |
1100.00 | NULL | 20

|

| 7900 | JAMES | CLERK | 7698 | 1981-12-03 |
1300.00 | NULL | 30

|

| 7902 | FORD | ANALYST | 7566 | 1981-12-03 |
3000.00 | NULL | 20

|

| 7934 | MILLER | CLERK | 7782 | 1982-01-23 |
1300.00 | NULL | 10

|

| 1000 | Bhagyesh | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 30

|

| 1000 | Ashish | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 20

|

| 1002 | Suyash | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 20

|

| 100 | Shubham | Clerk | 7698 | 2000-11-25 |
20000.00 | 500.00 | 20

|

| 101 | Akash | Clerk | 7698 | 2005-11-25 |
20000.00 | 500.00 | 20

|

| 102 | Abhi | Clerk | 7698 | 2005-11-25 |
20000.00 | 500.00 | 20

|

+-----+-----+-----+-----+-----+-----+-----+-----+
-----+-----

commit all changes

check what all records will appear in employee table

```
mysql> commit;
```

Query OK, 0 rows affected (0.07 sec)

```
mysql> select * from emp;
```

```
+-----+-----+-----+-----+-----+-----+-----+
-----+-----

--+

| EMPNO | ENAME   | JOB      | MGR | HIREDATE   |
SAL    | COMM    | DEPTNO   |
|
+-----+-----+-----+-----+-----+-----+-----+
-----+-----

--+

| 7369 | SMITH   | CLERK    | 7902 | 1980-12-17 |
1300.00 | NULL   | 20       |
|
| 7499 | ALLEN   | SALESMAN | 7698 | 1981-02-20 |
1300.00 | 300.00 | 30       |
|
| 7521 | WARD    | SALESMAN | 7698 | 1981-02-22 |
| 1300.00 | 500.00 | 30       |
|
```

| 7566 | JONES | MANAGER | 7839 | 1981-04-02 |
2975.00 | NULL | 20

|

| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28
| 1300.00 | 1400.00 | 30

|

| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 |
1300.00 | NULL | 30

|

| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 |
2450.00 | NULL | 10

|

| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 |
3000.00 | NULL | 20

|

| 7839 | KING | PRESIDENT | NULL | 1981-11-17 |
5000.00 | NULL | 10

|

| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08
| 1300.00 | 0.00 | 30

|

| 7876 | ADAMS | CLERK | 7788 | 1983-01-12 |
1100.00 | NULL | 20

|

| 7900 | JAMES | CLERK | 7698 | 1981-12-03 |
1300.00 | NULL | 30

|

| 7902 | FORD | ANALYST | 7566 | 1981-12-03 |
3000.00 | NULL | 20

|

```
| 7934 | MILLER | CLERK | 7782 | 1982-01-23 |  
1300.00 | NULL | 10
```

```
|
```

```
| 1000 | Bhagyesh | Developer | 7698 | 2022-12-05 |  
50000.00 | 0.00 | 30
```

```
|
```

```
| 1000 | Ashish | Developer | 7698 | 2022-12-05 |  
50000.00 | 0.00 | 20
```

```
|
```

```
| 1002 | Suyash | Developer | 7698 | 2022-12-05 |  
50000.00 | 0.00 | 20
```

```
|
```

```
| 100 | Shubham | Clerk | 7698 | 2000-11-25 |  
20000.00 | 500.00 | 20
```

```
|
```

```
| 101 | Akash | Clerk | 7698 | 2005-11-25 |  
20000.00 | 500.00 | 20
```

```
|
```

```
| 102 | Abhi | Clerk | 7698 | 2005-11-25 |  
20000.00 | 500.00 | 20
```

```
|
```

```
+-----+-----+-----+-----+-----+-----+-----+  
-----+-----
```

```
--+
```

check whether you can roll back the contents.

```
mysql> rollback;
```

```
Query OK, 0 rows affected (0.00 sec)
```



```
mysql> select * from emp;
```

```
+-----+-----+-----+-----+-----+-----+
-----+-----

--+

| EMPNO | ENAME   | JOB      | MGR | HIREDATE   |
SAL      | COMM    | DEPTNO
|
+-----+-----+-----+-----+-----+-----+
-----+-----

--+

| 7369 | SMITH   | CLERK    | 7902 | 1980-12-17 |
1300.00 | NULL   | 20
|
| 7499 | ALLEN   | SALESMAN | 7698 | 1981-02-20 |
1300.00 | 300.00 | 30
|
| 7521 | WARD    | SALESMAN | 7698 | 1981-02-22 |
| 1300.00 | 500.00 | 30
|
| 7566 | JONES   | MANAGER  | 7839 | 1981-04-02 |
2975.00 | NULL   | 20
|
| 7654 | MARTIN  | SALESMAN | 7698 | 1981-09-28 |
| 1300.00 | 1400.00 | 30
|
| 7698 | BLAKE   | MANAGER  | 7839 | 1981-05-01 |
1300.00 | NULL   | 30
|
```

| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 |
2450.00 | NULL | 10

|

| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 |
3000.00 | NULL | 20

|

| 7839 | KING | PRESIDENT | NULL | 1981-11-17 |
5000.00 | NULL | 10

|

| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 |
| 1300.00 | 0.00 | 30

|

| 7876 | ADAMS | CLERK | 7788 | 1983-01-12 |
1100.00 | NULL | 20

|

| 7900 | JAMES | CLERK | 7698 | 1981-12-03 |
1300.00 | NULL | 30

|

| 7902 | FORD | ANALYST | 7566 | 1981-12-03 |
3000.00 | NULL | 20

|

| 7934 | MILLER | CLERK | 7782 | 1982-01-23 |
1300.00 | NULL | 10

|

| 1000 | Bhagyesh | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 30

|

| 1000 | Ashish | Developer | 7698 | 2022-12-05 |
50000.00 | 0.00 | 20

|

```
| 1002 | Suyash | Developer | 7698 | 2022-12-05 |  
50000.00 | 0.00 | 20
```

```
|
```

```
| 100 | Shubham | Clerk | 7698 | 2000-11-25 |  
20000.00 | 500.00 | 20
```

```
|
```

```
| 101 | Akash | Clerk | 7698 | 2005-11-25 |  
20000.00 | 500.00 | 20
```

```
|
```

```
| 102 | Abhi | Clerk | 7698 | 2005-11-25 |  
20000.00 | 500.00 | 20
```

```
|
```

```
+-----+-----+-----+-----+-----+-----+-----+  
-----+-----
```

```
-+
```

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

Ans:-

st.emp.DEPTNO'; this is incompatible with sql_mode=only_full_group_by

```
mysql> delimiter //
```

```
mysql> create procedure get_min2(pdeptno int,out pmin float)
```

```
-> begin
```

```
-> select deptno,min(sal) into pdeptno,pmin
```

```
-> from emp
```

```
-> where deptno=pdeptno
```

```
-> group by deptno;
```

```
-> end//
```

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter;

-> ^C

mysql> call get_min2(10,@min)//

Query OK, 1 row affected (0.00 sec)

mysql> select @min//

+-----+

| @min |

+-----+

| 1300 |

+-----+

1 row in set (0.00 sec)

```
mysql> delimiter //
mysql> create procedure get_min2(pdeptno int,out pmin float)
-> begin
-> select deptno,min(sal) into pdeptno,pmin
-> from emp
-> where deptno=pdeptno
-> group by deptno;
-> end//
Query OK, 0 rows affected (0.01 sec)

mysql> delimiter;
-> ^C
mysql> call get_min2(10,@min)//
Query OK, 1 row affected (0.00 sec)

mysql> select @min//
+-----+
| @min |
+-----+
| 1300 |
+-----+
1 row in set (0.00 sec)
```