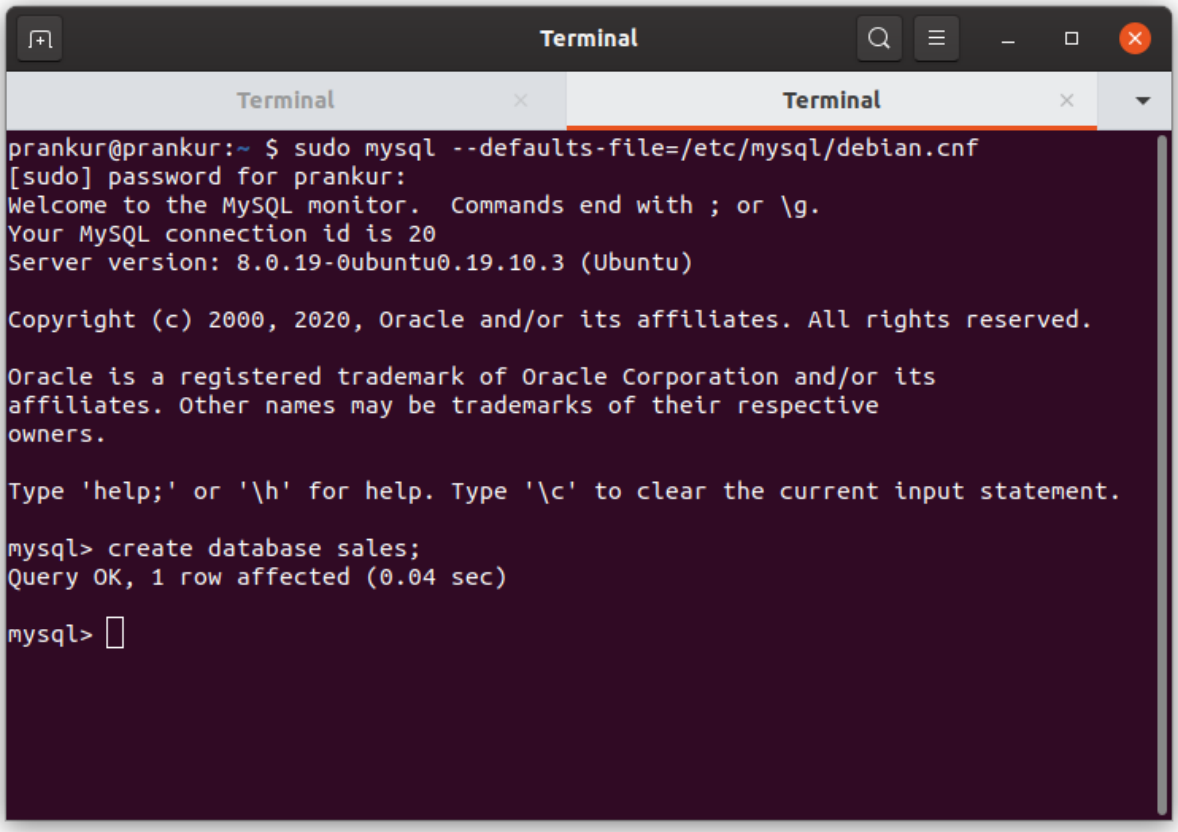
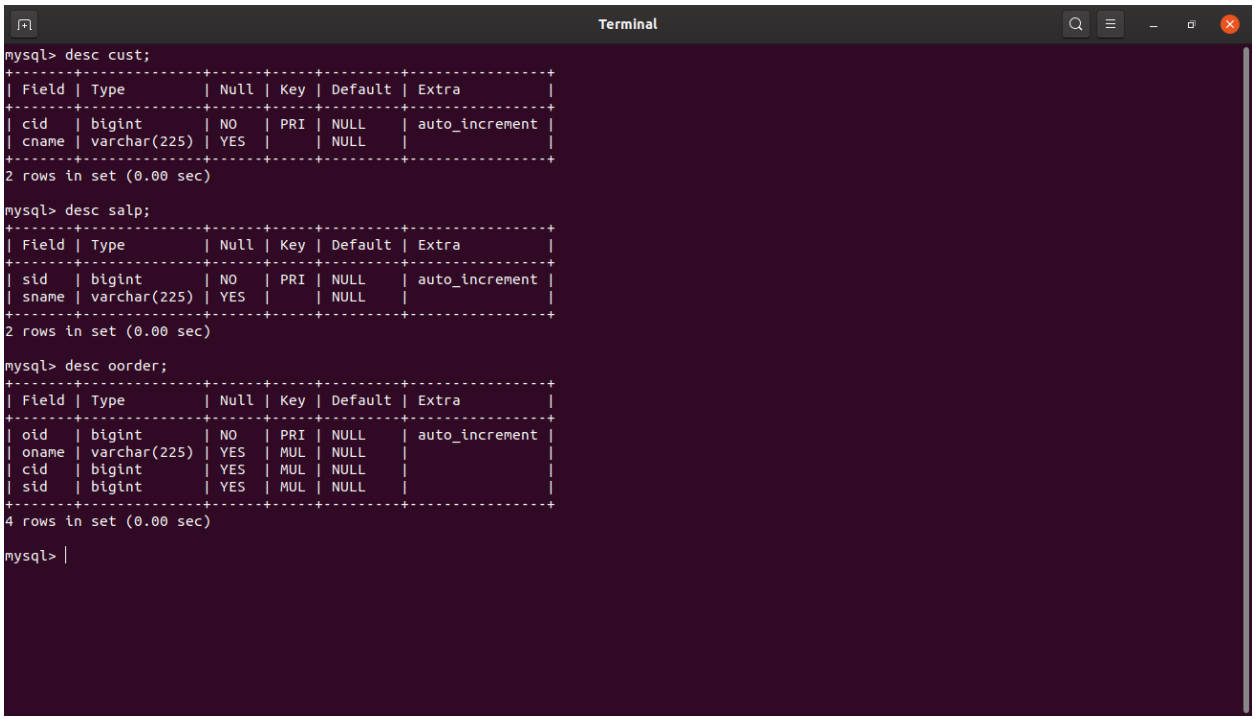
Database Assignment :-

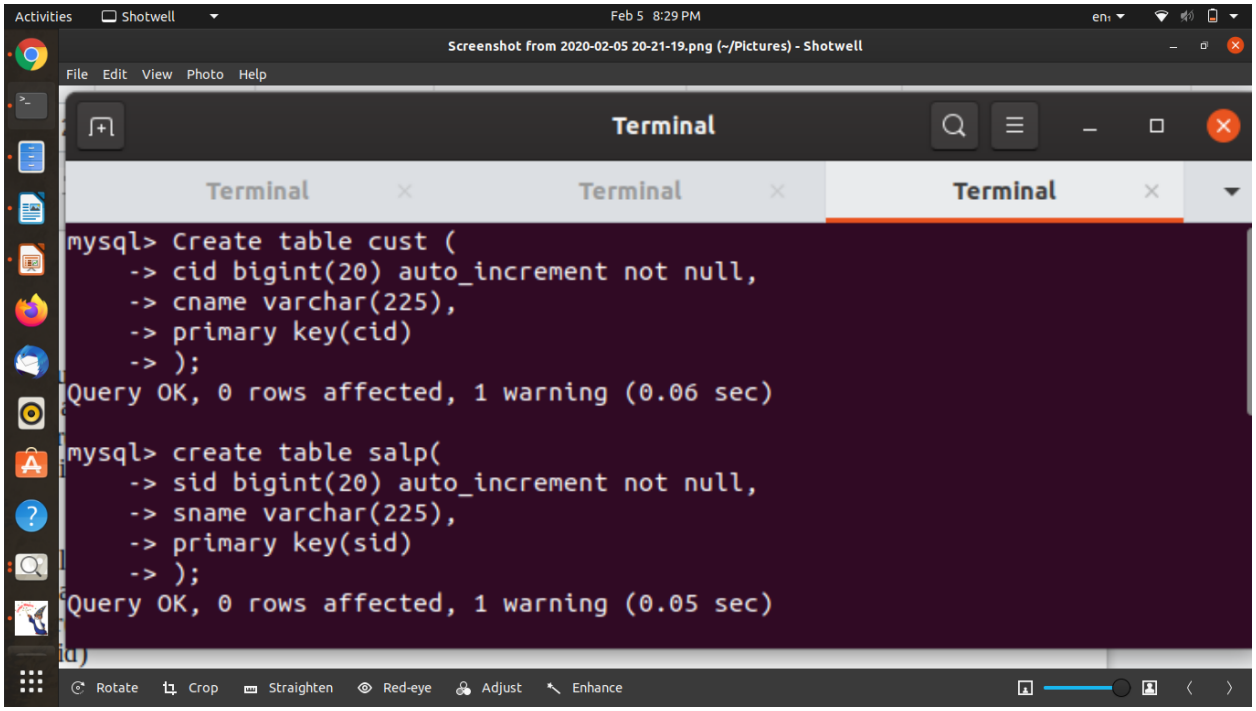
Ans 1-

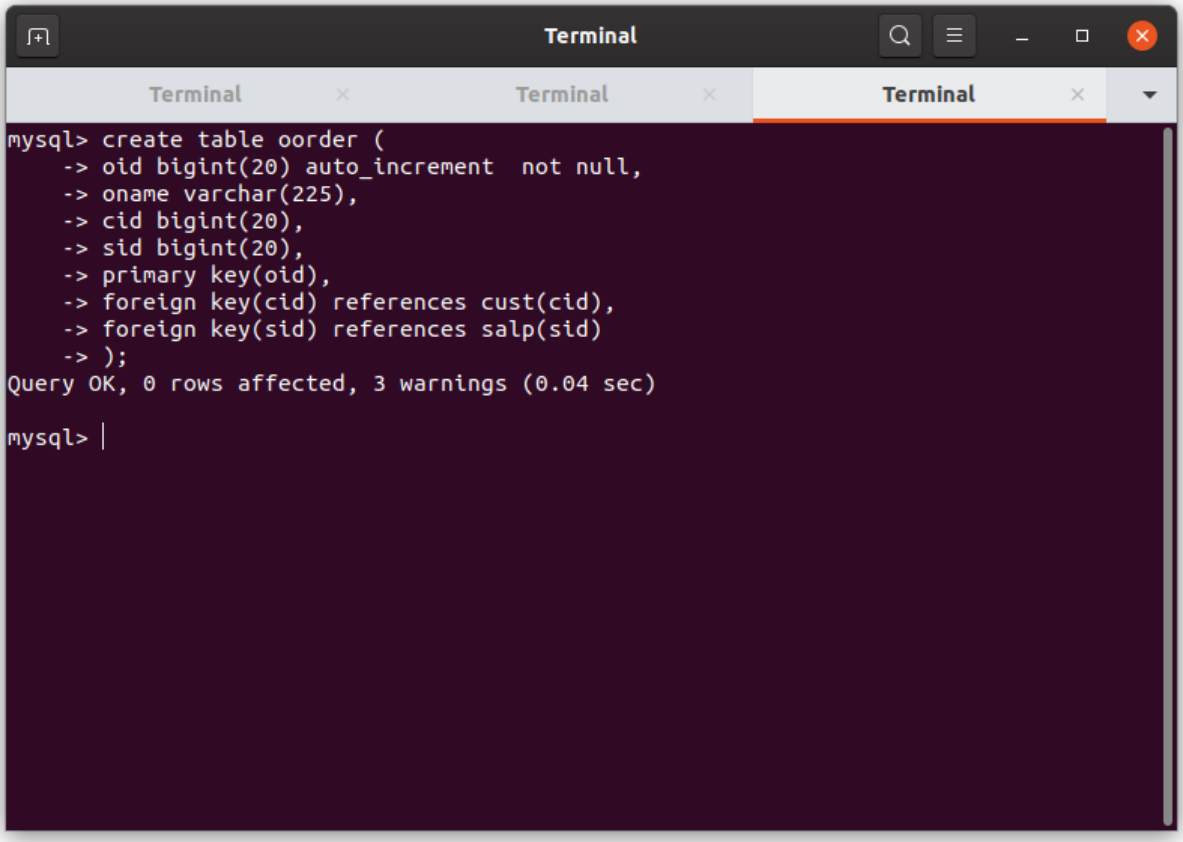


Ans 2-

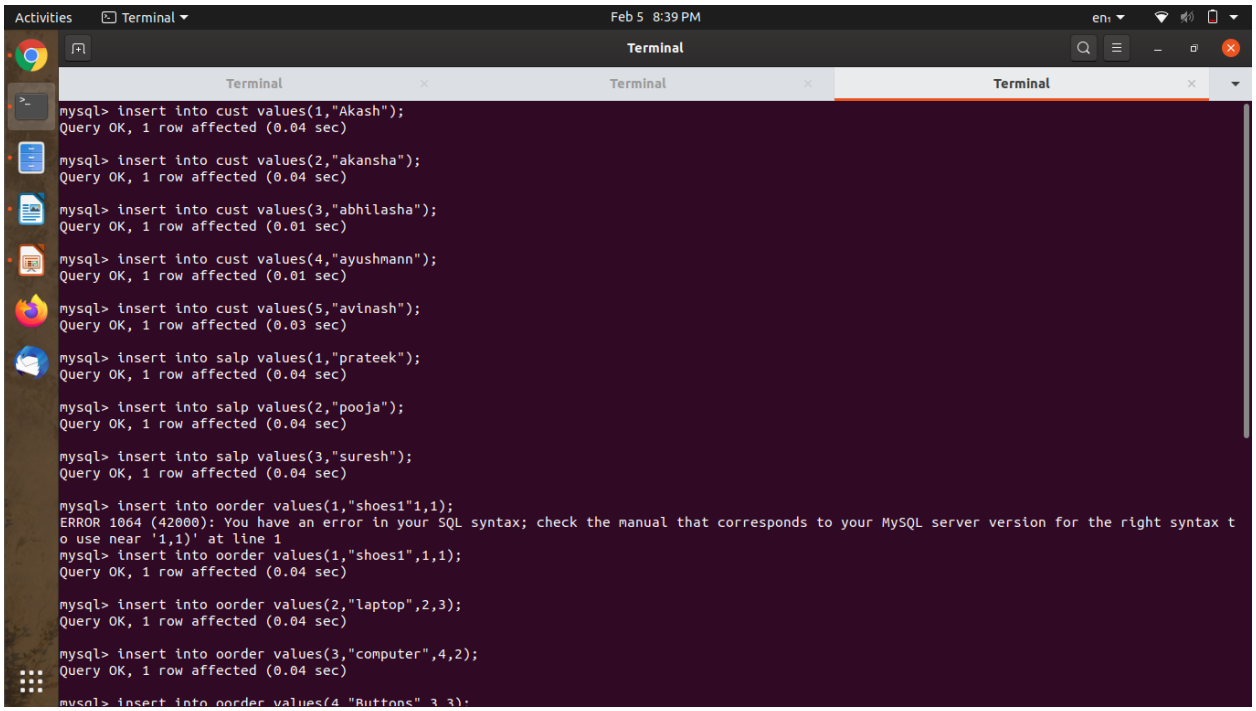

Terminal
mysql> desc cust;
+-------+--------------+------+-----+---------+----------------+
| Field | Type | Null | Key | Default | Extra |
+-------+--------------+------+-----+---------+----------------+
| cid | bigint | NO | PRI | NULL | auto_increment |
| cname | varchar(225) | YES | | NULL | |
+-------+--------------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
mysql> desc salp;
+-------+--------------+------+-----+---------+----------------+
| Field | Type | Null | Key | Default | Extra |
+-------+--------------+------+-----+---------+----------------+
| sid | bigint | NO | PRI | NULL | auto_increment |
| sname | varchar(225) | YES | | NULL | |
+-------+--------------+------+-----+---------+----------------+
2 rows in set (0.00 sec)
mysql> desc oorder;
+-------+--------------+------+-----+---------+----------------+
| Field | Type | Null | Key | Default | Extra |
+-------+--------------+------+-----+---------+----------------+
oid	bigint	NO	PRI	NULL	auto_increment
oname	varchar(225)	YES	MUL	NULL	
cid	bigint	YES	MUL	NULL	
sid	bigint	YES	MUL	NULL	
+-------+--------------+------+-----+---------+----------------+
4 rows in set (0.00 sec)
mysql>

Ans 3-

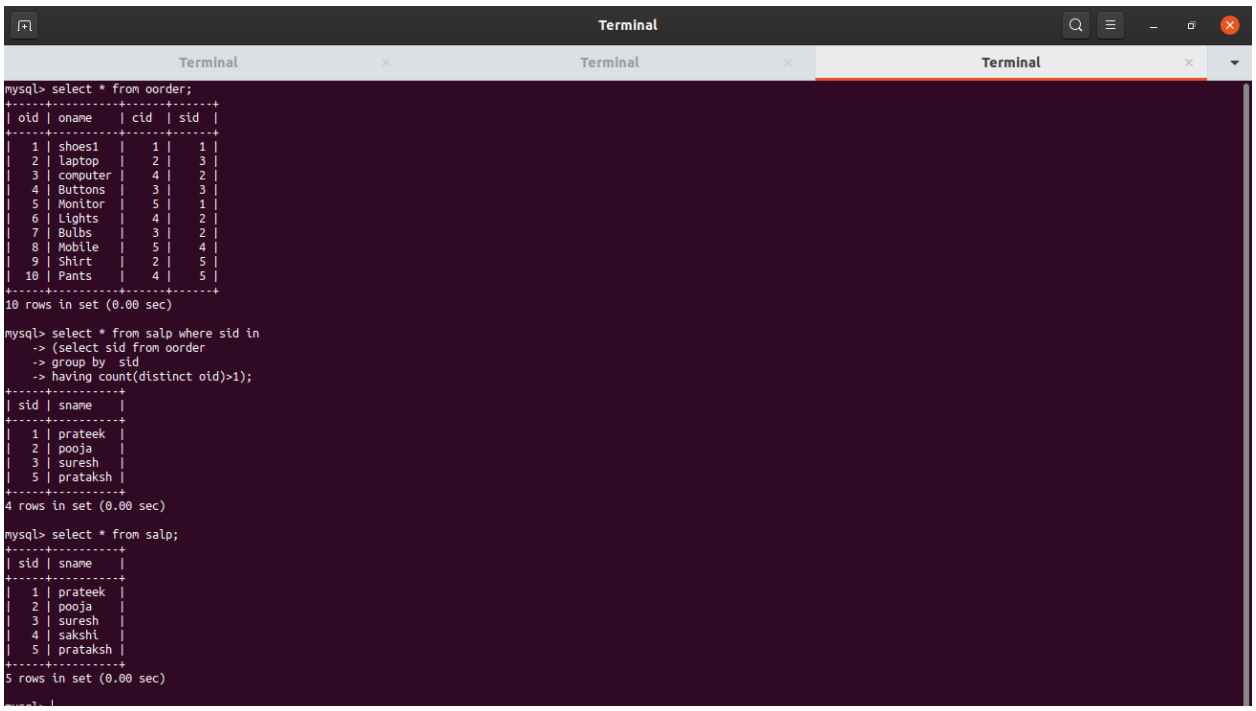

Activities
Shotwell
Feb 5 8:29 PM
Screenshot from 2020-02-05 20-21-19.png (~/Pictures) - Shotwell
File Edit View Photo Help
Terminal
Terminal
Terminal
Terminal
mysql> Create table cust (
-> cid bigint(20) auto_increment not null,
-> cname varchar(225),
-> primary key(cid)
->);
Query OK, 0 rows affected, 1 warning (0.06 sec)
mysql> create table salp(
-> sid bigint(20) auto_increment not null,
-> sname varchar(225),
-> primary key(sid)
->);
Query OK, 0 rows affected, 1 warning (0.05 sec)
Rotate
Crop
Straighten
Red-eye
Adjust
Enhance


Terminal
Terminal
Terminal
Terminal
mysql> create table oorder (
-> oid bigint(20) auto_increment not null,
-> oname varchar(225),
-> cid bigint(20),
-> sid bigint(20),
-> primary key(oid),
-> foreign key(cid) references cust(cid),
-> foreign key(sid) references salp(sid)
->);
Query OK, 0 rows affected, 3 warnings (0.04 sec)
mysql>

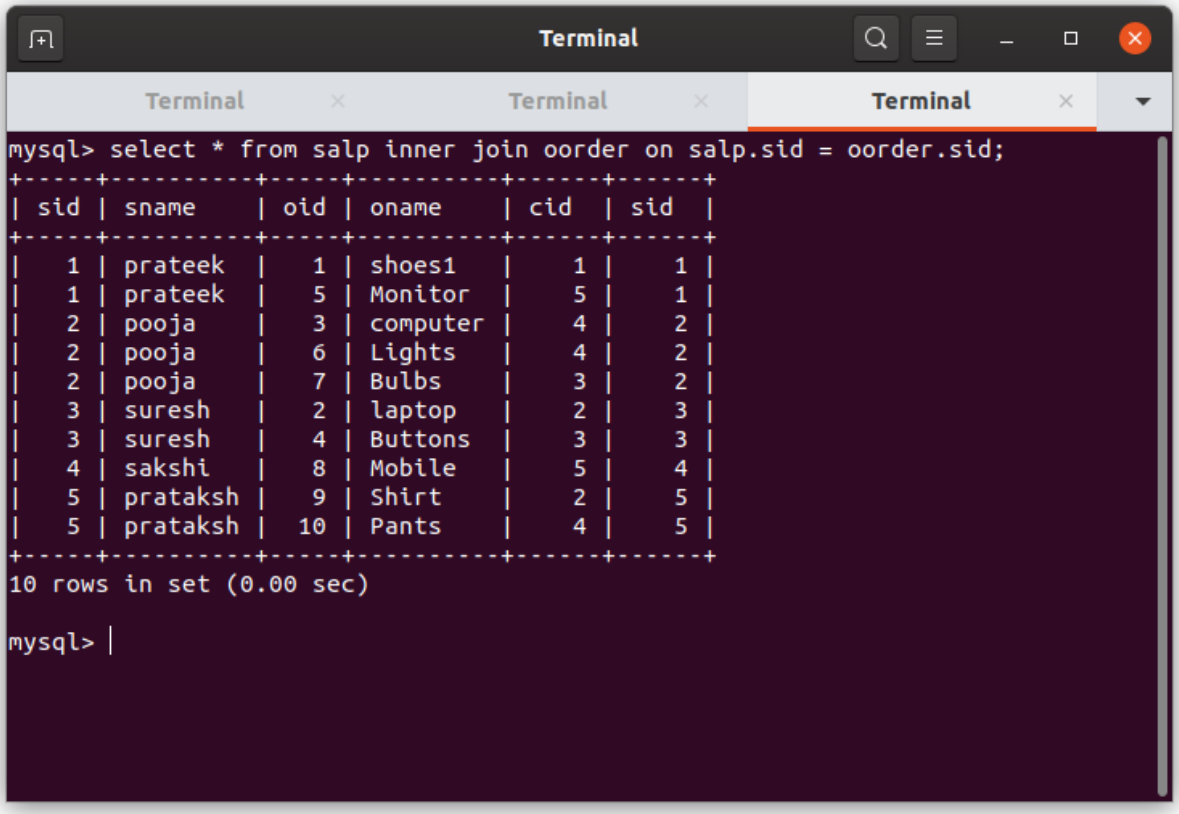
Ans 4-


Activities
Terminal
Feb 5 8:39 PM
Terminal
Terminal
Terminal
Terminal
mysql> insert into cust values(1,"Akash");
Query OK, 1 row affected (0.04 sec)
mysql> insert into cust values(2,"akansha");
Query OK, 1 row affected (0.04 sec)
mysql> insert into cust values(3,"abhilasha");
Query OK, 1 row affected (0.01 sec)
mysql> insert into cust values(4,"ayushmann");
Query OK, 1 row affected (0.01 sec)
mysql> insert into cust values(5,"avinash");
Query OK, 1 row affected (0.03 sec)
mysql> insert into salp values(1,"prateek");
Query OK, 1 row affected (0.04 sec)
mysql> insert into salp values(2,"pooja");
Query OK, 1 row affected (0.04 sec)
mysql> insert into salp values(3,"suresh");
Query OK, 1 row affected (0.04 sec)
mysql> insert into oorder values(1,"shoes1"1,1);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax t
o use near '1,1)' at line 1
mysql> insert into oorder values(1,"shoes1",1,1);
Query OK, 1 row affected (0.04 sec)
mysql> insert into oorder values(2,"laptop",2,3);
Query OK, 1 row affected (0.04 sec)
mysql> insert into oorder values(3,"computer",4,2);
Query OK, 1 row affected (0.04 sec)

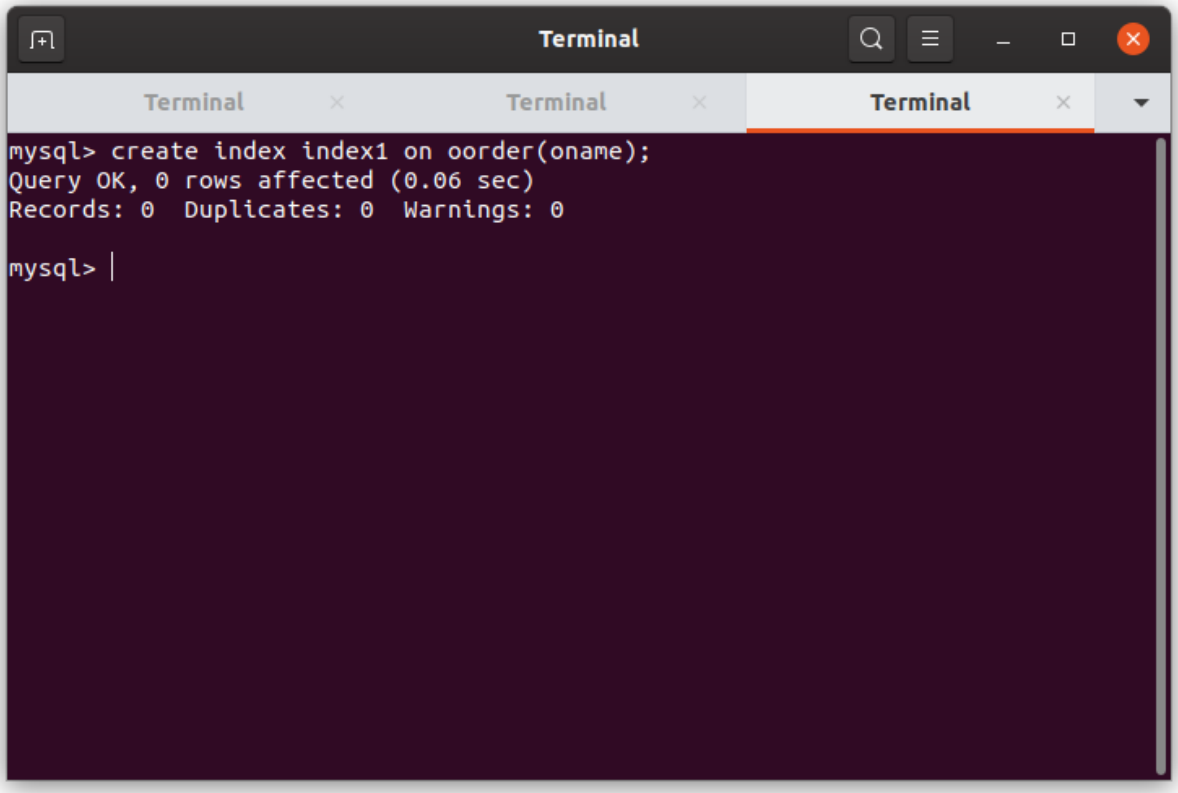
Ans 5-


Terminal
Terminal
Terminal
Terminal
mysql> select * from oorder;
+-----+----------+------+------+
| oid | oname | cid | sid |
+-----+----------+------+------+
1	shoes1	1	1
2	laptop	2	3
3	computer	4	2
4	Buttons	3	3
5	Monitor	5	1
6	Lights	4	2
7	Bulbs	3	2
8	Mobile	5	4
9	Shirt	2	5
10	Pants	4	5
+-----+----------+------+------+
10 rows in set (0.00 sec)
mysql> select * from salp where sid in
-> (select sid from oorder
-> group by sid
-> having count(distinct oid)>1);
+-----+----------+
| sid | sname |
+-----+----------+
1	prateek
2	pooja
3	suresh
5	prataksh
+-----+----------+
4 rows in set (0.00 sec)
mysql> select * from salp;
+-----+----------+
| sid | sname |
+-----+----------+
1	prateek
2	pooja
3	suresh
4	sakshi
5	prataksh
+-----+----------+
5 rows in set (0.00 sec)

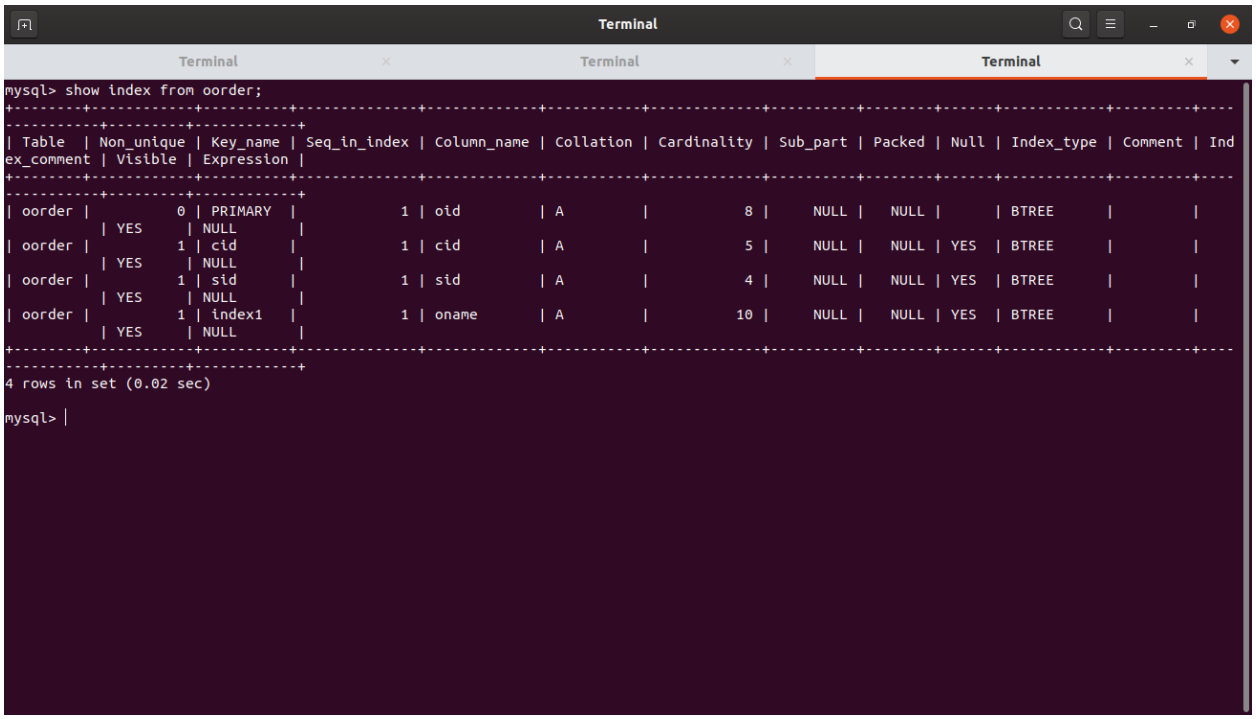
Ans 6-


Terminal
Terminal
Terminal
Terminal
mysql> select * from salp inner join oorder on salp.sid = oorder.sid;
+-----+----------+-----+----------+------+------+
| sid | sname | oid | oname | cid | sid |
+-----+----------+-----+----------+------+------+
1	prateek	1	shoes1	1	1
1	prateek	5	Monitor	5	1
2	pooja	3	computer	4	2
2	pooja	6	Lights	4	2
2	pooja	7	Bulbs	3	2
3	suresh	2	laptop	2	3
3	suresh	4	Buttons	3	3
4	sakshi	8	Mobile	5	4
5	prataksh	9	Shirt	2	5
5	prataksh	10	Pants	4	5
+-----+----------+-----+----------+------+------+
10 rows in set (0.00 sec)
mysql>

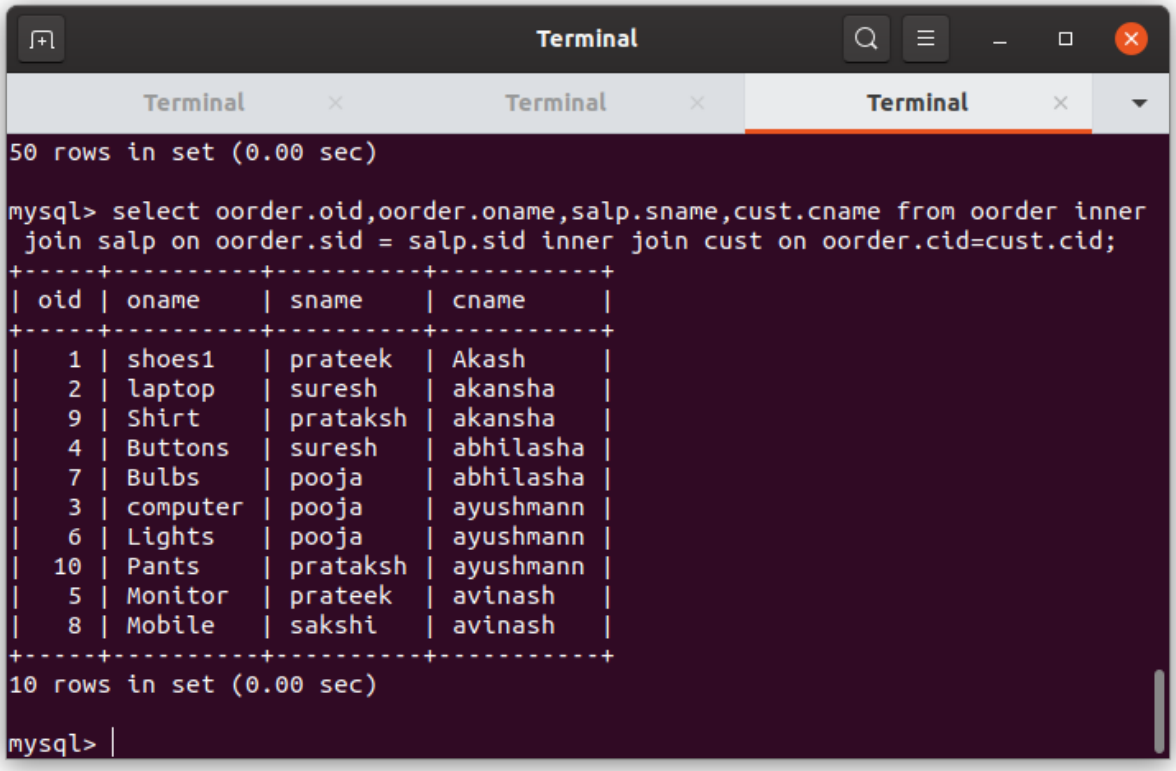
Ans 7-


Terminal
Terminal
Terminal
Terminal
mysql> create index index1 on oorder(oname);
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql>

Ans 8-


Terminal
Terminal
Terminal
Terminal
mysql> show index from oorder;
+--------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---
----------+---------+------------+
| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Ind
ex_comment | Visible | Expression |
+--------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---
----------+---------+------------+
oorder	0	PRIMARY	1	oid	A	8	NULL	NULL		BTREE	
YES	NULL
oorder	1	cid	1	cid	A	5	NULL	NULL	YES	BTREE	
YES	NULL
oorder	1	sid	1	sid	A	4	NULL	NULL	YES	BTREE	
YES	NULL
oorder	1	index1	1	oname	A	10	NULL	NULL	YES	BTREE	
YES	NULL
+--------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---
----------+---------+------------+
4 rows in set (0.02 sec)
mysql>

Ans 9-


Terminal
Terminal
Terminal
Terminal
50 rows in set (0.00 sec)
mysql> select oorder.oid,oorder.oname,salp.sname,cust.cname from oorder inner
join salp on oorder.sid = salp.sid inner join cust on oorder.cid=cust.cid;
+-----+----------+----------+-----------+
| oid | oname | sname | cname |
+-----+----------+----------+-----------+
1	shoes1	prateek	Akash
2	laptop	suresh	akansha
9	Shirt	prataksh	akansha
4	Buttons	suresh	abhilasha
7	Bulbs	pooja	abhilasha
3	computer	pooja	ayushmann
6	Lights	pooja	ayushmann
10	Pants	prataksh	ayushmann
5	Monitor	prateek	avinash
8	Mobile	sakshi	avinash
+-----+----------+----------+-----------+
10 rows in set (0.00 sec)
mysql>