DBMS LAB TEST 1 :-

CODE :-

```
CREATE TABLE pizza(
pid INT,
pname VARCHAR(20),
quality INT,
address VARCHAR (20),
PRIMARY KEY(pid)
);

CREATE TABLE store(
sid INT,
sname VARCHAR(20),
phone INT,
qualityrating VARCHAR(20),
PRIMARY KEY(sid)
);

CREATE TABLE soldby(
pid INT,
sid INT,
price FLOAT,
PRIMARY KEY(pid,sid),
FOREIGN KEY(pid) REFERENCES pizza(pid) ON DELETE CASCADE ON UPDATE CASCADE,
FOREIGN KEY(sid) REFERENCES store(sid) ON DELETE CASCADE ON UPDATE CASCADE
);

INSERT INTO pizza VALUES('2', 'cheese','10','Varanasi');
```

```sql
INSERT INTO pizza VALUES('3', 'paneer','9','Patna');

INSERT INTO pizza VALUES('4', 'sauce','8','Ballia');

INSERT INTO pizza VALUES('5', 'large','7','Gujarat');

INSERT INTO pizza VALUES('6', 'veggie','10','Ladakh');


INSERT INTO store VALUES('100','pizzahut','911','excellent');

INSERT INTO store VALUES('101','dominoes','912','good');

INSERT INTO store VALUES('102','gpizza','913','great');

INSERT INTO store VALUES('103','hotpizza','914','excellent');

INSERT INTO store VALUES('104','coolpizza','915','good');


INSERT INTO soldby VALUES('5','102','1500.99');

INSERT INTO soldby VALUES('2','103','999.99');

INSERT INTO soldby VALUES('3','100','50.15');

INSERT INTO soldby VALUES('4','104','99.99');

INSERT INTO soldby VALUES('6','101','20.32');


/*QUERY 2*/


SELECT * FROM pizza;


SELECT * FROM store;


SELECT * FROM soldby;


/*QUERY 3*/


SELECT DISTINCT s.sname FROM store s, soldby sb, pizza p WHERE sb.pid=p.pid AND sb.sid=s.sid AND sb.pid IN
(SELECT p1.pid FROM pizza p1 WHERE p1.pname='veggie' AND p1.pname="cheese");
```

/*QUERY 4*/

```
Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having s.qualityrating="good" or s.qualityrating="excellent";
```

/*QUERY 5*/

```
UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='chesse');
```

```
SELECT * FROM soldby;
```

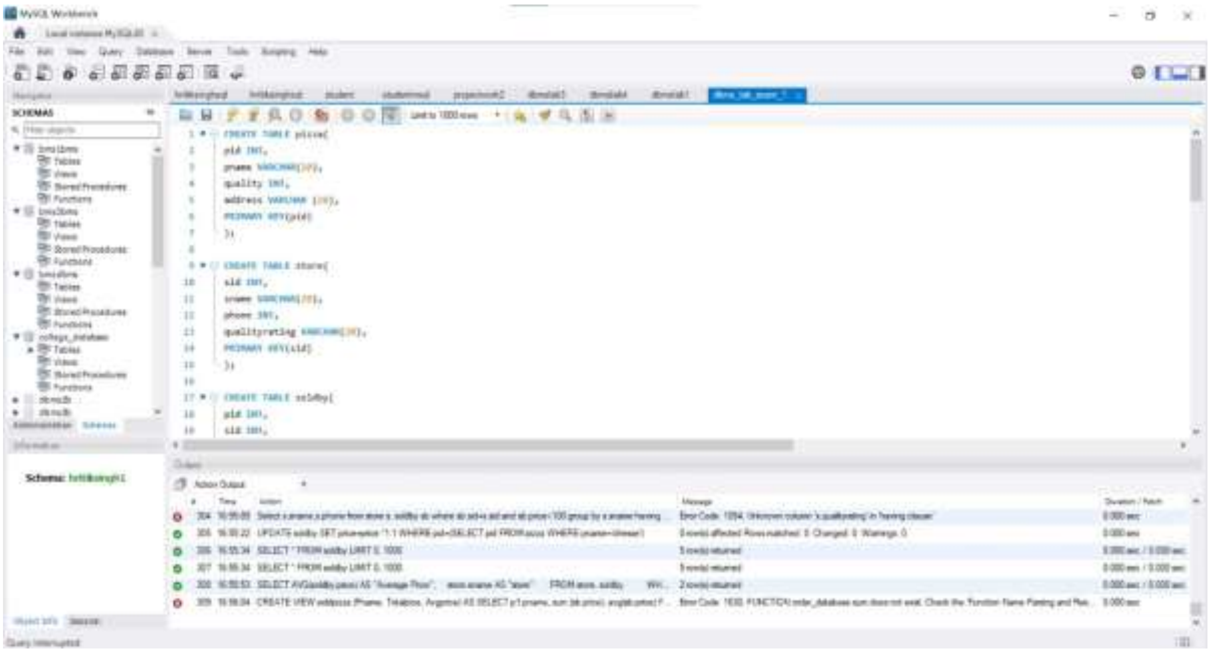
/*QUERY 6*/

```
SELECT AVG(soldby.price) AS "Average Price",
  store.sname AS "store"
    FROM store, soldby
      WHERE store.sid= soldby.sid
       GROUP BY store.sname
         HAVING AVG(soldby.price) >(SELECT AVG(price) FROM soldby);
```

/*QUERY 7*/

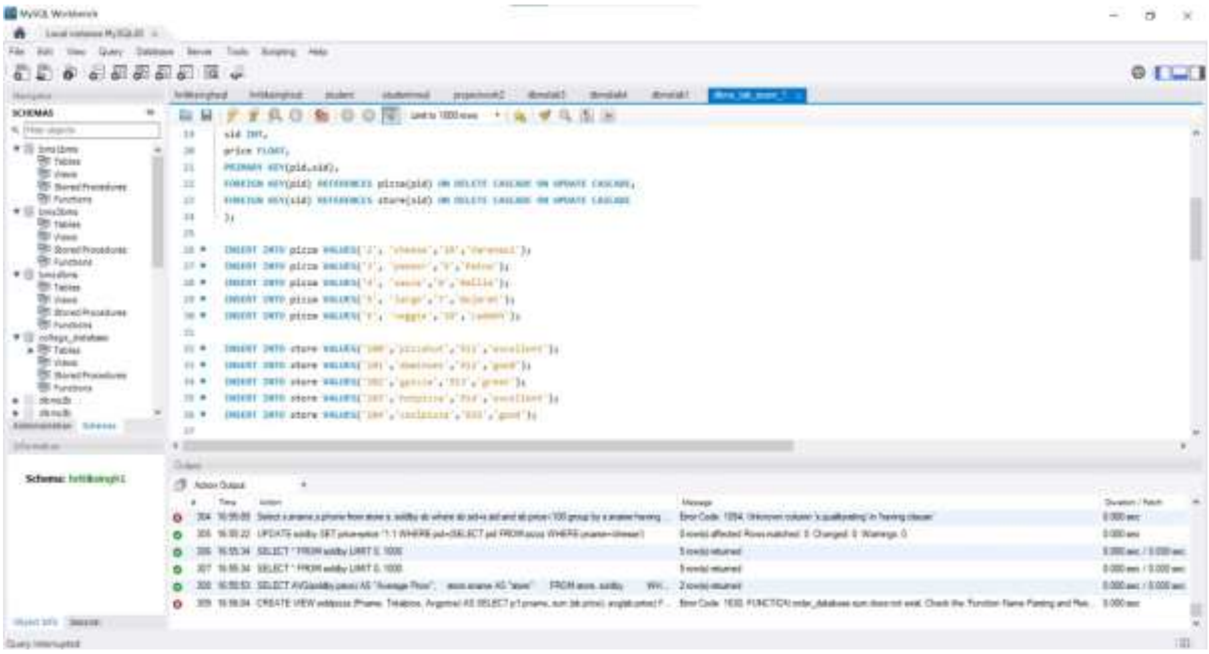
```
CREATE VIEW soldpizza (Pname, Totalpice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) FROM pizza p1, soldby sb where sb.pid=p1.pid GROUP BY p.pname;
```

OUTPUT :-



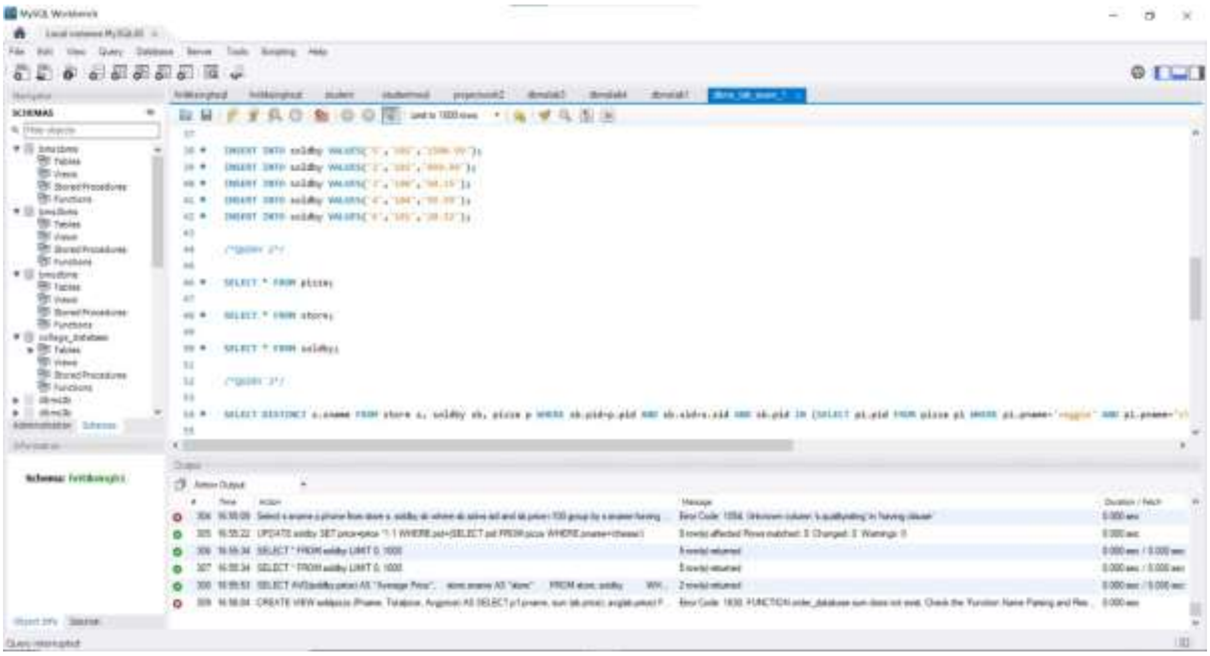
```
CREATE TABLE pizza(
pid INT,
pname VARCHAR(20),
quality INT,
address VARCHAR (20),
PRIMARY KEY(pid)
);

CREATE TABLE store(
sid INT,
sname VARCHAR(20),
phone INT,
qualityrating VARCHAR(20),
PRIMARY KEY(sid)
);

CREATE TABLE soldby(
pid INT,
sid INT,
```

```
#    Time      Action                                                                                   Message                                                                              Duration / Fetch
304  16:55:55  Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having ...   Error Code: 1054. Unknown column 's.qualityrating' in 'having clause'   0.000 sec
305  16:30:22  UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese')   0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0   0.000 sec
306  16:55:34  SELECT * FROM soldby LIMIT 0, 1000                                                       5 row(s) returned   0.000 sec / 0.000 sec
307  16:55:34  SELECT * FROM soldby LIMIT 0, 1000                                                       5 row(s) returned   0.000 sec / 0.000 sec
308  16:55:53  SELECT AVG(soldby.price) AS "Average Price",   store.sname AS "store"   FROM store, soldby   WH...   2 row(s) returned   0.000 sec / 0.000 sec
309  16:56:04  CREATE VIEW addpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
```



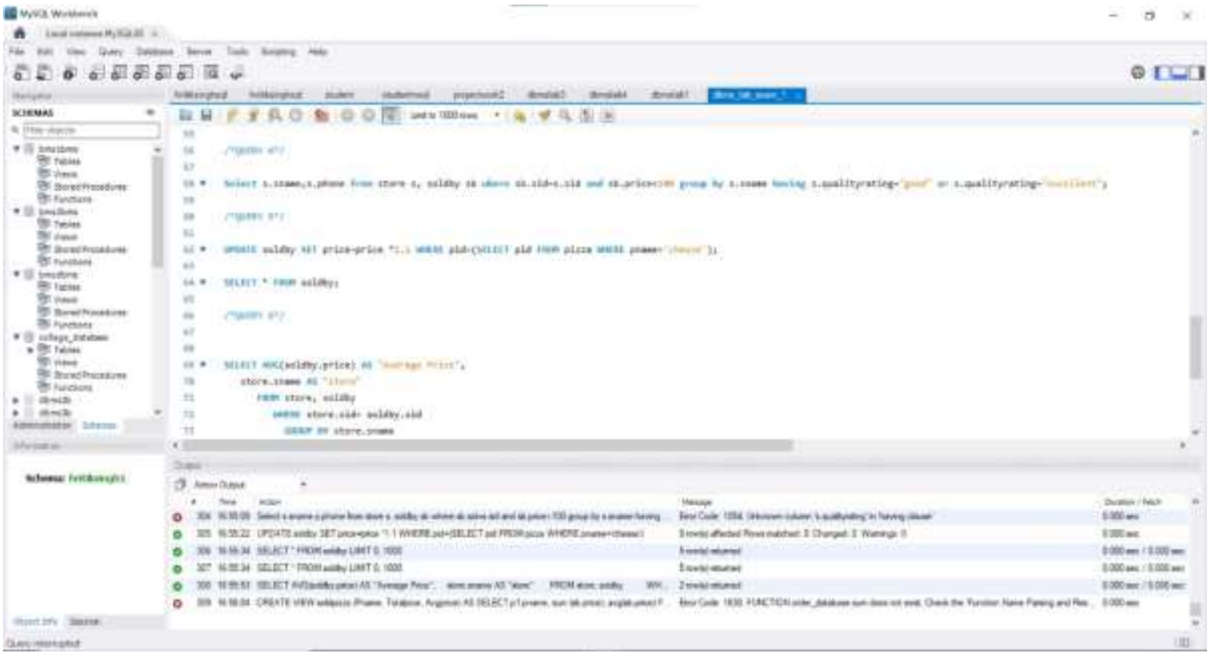
```
sid INT,
price FLOAT,
PRIMARY KEY(pid,sid),
FOREIGN KEY(pid) REFERENCES pizza(pid) ON DELETE CASCADE ON UPDATE CASCADE,
FOREIGN KEY(sid) REFERENCES store(sid) ON DELETE CASCADE ON UPDATE CASCADE
);

INSERT INTO pizza VALUES('2', 'cheese','10','Varanasi');
INSERT INTO pizza VALUES('3', 'paneer','9','Patna');
INSERT INTO pizza VALUES('4', 'sauce','8','Ballia');
INSERT INTO pizza VALUES('5', 'large','7','Gujarat');
INSERT INTO pizza VALUES('1', 'veggie','10','Lucknow');

INSERT INTO store VALUES('100','pizzahut','911','excellent');
INSERT INTO store VALUES('101','dominos','912','good');
INSERT INTO store VALUES('102','[illegible]','913','great');
INSERT INTO store VALUES('103','[illegible]','914','excellent');
INSERT INTO store VALUES('104','[illegible]','915','good');
```

```
#    Time      Action                                                                                   Message                                                                              Duration / Fetch
304  16:55:55  Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having ...   Error Code: 1054. Unknown column 's.qualityrating' in 'having clause'   0.000 sec
305  16:30:22  UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese')   0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0   0.000 sec
306  16:55:34  SELECT * FROM soldby LIMIT 0, 1000                                                       5 row(s) returned   0.000 sec / 0.000 sec
307  16:55:34  SELECT * FROM soldby LIMIT 0, 1000                                                       5 row(s) returned   0.000 sec / 0.000 sec
308  16:55:53  SELECT AVG(soldby.price) AS "Average Price",   store.sname AS "store"   FROM store, soldby   WH...   2 row(s) returned   0.000 sec / 0.000 sec
309  16:56:04  CREATE VIEW addpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
```



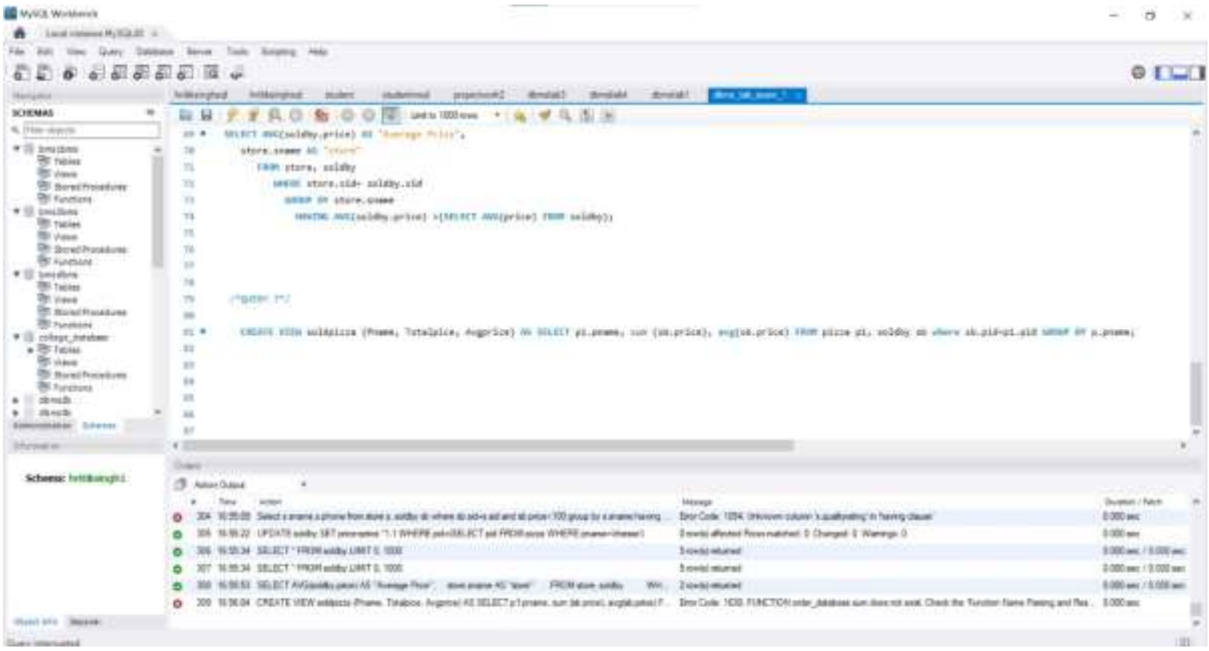
```
INSERT INTO soldby VALUES('1','102','[illegible]');
INSERT INTO soldby VALUES('2','103','[illegible]');
INSERT INTO soldby VALUES('3','100','50.15');
INSERT INTO soldby VALUES('4','104','[illegible]');
INSERT INTO soldby VALUES('5','105','28.52');

/*QUERY 2*/

SELECT * FROM pizza;

SELECT * FROM store;

SELECT * FROM soldby;

/*QUERY 3*/

SELECT DISTINCT s.sname FROM store s, soldby sb, pizza p WHERE sb.pid=p.pid AND sb.sid=s.sid AND sb.pid IN (SELECT p1.pid FROM pizza p1 WHERE p1.pname='veggie' AND p1.pname='[illegible]
```

```
304  16:50:09  Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having ...   Error Code: 1054. Unknown column 's.qualityrating' in 'having clause'   0.000 sec
305  16:55:22  UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese')   3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0   0.000 sec
306  16:55:34  SELECT * FROM soldby LIMIT 0, 1000   8 row(s) returned   0.000 sec / 0.000 sec
307  16:55:34  SELECT * FROM soldby LIMIT 0, 1000   5 row(s) returned   0.000 sec / 0.000 sec
308  16:55:53  SELECT AVG(soldby.price) AS "Average Price",  store.sname AS "store"   FROM store, soldby   WH...   2 row(s) returned   0.000 sec / 0.000 sec
309  16:58:04  CREATE VIEW soldpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
```



```
/*QUERY 4*/

Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having s.qualityrating='good' or s.qualityrating='excellent';

/*QUERY 5*/

UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese');

SELECT * FROM soldby;

/*QUERY 6*/


SELECT AVG(soldby.price) AS "Average Price",
   store.sname AS "store"
      FROM store, soldby
         WHERE store.sid= soldby.sid
           GROUP BY store.sname
```

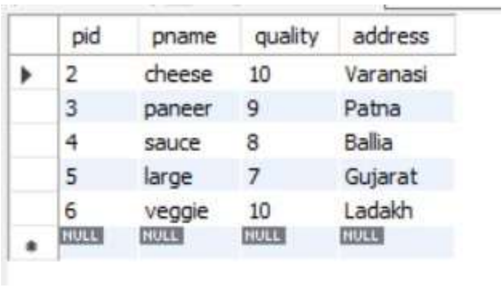
```
304  16:50:09  Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having ...   Error Code: 1054. Unknown column 's.qualityrating' in 'having clause'   0.000 sec
305  16:55:22  UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese')   3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0   0.000 sec
306  16:55:34  SELECT * FROM soldby LIMIT 0, 1000   8 row(s) returned   0.000 sec / 0.000 sec
307  16:55:34  SELECT * FROM soldby LIMIT 0, 1000   5 row(s) returned   0.000 sec / 0.000 sec
308  16:55:53  SELECT AVG(soldby.price) AS "Average Price",  store.sname AS "store"   FROM store, soldby   WH...   2 row(s) returned   0.000 sec / 0.000 sec
309  16:58:04  CREATE VIEW soldpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
```



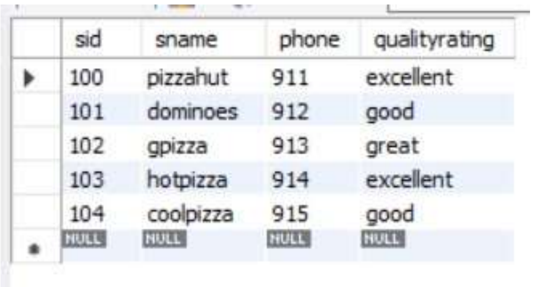
```
SELECT AVG(soldby.price) AS "Average Price",
  store.sname AS "store"
    FROM store, soldby
      WHERE store.sid= soldby.sid
        GROUP BY store.sname
          HAVING AVG(soldby.price) >(SELECT AVG(price) FROM soldby);




/*QUERY 7*/

  CREATE VIEW soldpizza (Pname, Totalpice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) FROM pizza p1, soldby sb where sb.pid=p1.pid GROUP BY p.pname;
```

```
#    Time      Action                                                                                              Message                                                                                    Duration / Fetch
304  16:55:08  Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price>100 group by s.sname having ...   Error Code: 1054. Unknown column 's.qualityrating' in 'having clause'                      0.000 sec
305  16:55:22  UPDATE soldby SET price=price*1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese')                       0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0                                   0.000 sec
306  16:55:34  SELECT * FROM soldby LIMIT 0, 1000                                                                             5 row(s) returned                                                                          0.000 sec / 0.000 sec
307  16:55:34  SELECT * FROM soldby LIMIT 0, 1000                                                                             5 row(s) returned                                                                          0.000 sec / 0.000 sec
308  16:55:53  SELECT AVG(soldby.price) AS "Average Price",    store.sname AS "store"    FROM store, soldby    WH...          2 row(s) returned                                                                          0.000 sec / 0.000 sec
309  16:56:04  CREATE VIEW soldpizza (Pname, Totalpice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...      Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
```

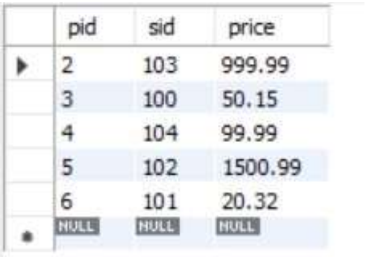
QUERY 2 TABLES :-



	pid	pname	quality	address
▶	2	cheese	10	Varanasi
	3	paneer	9	Patna
	4	sauce	8	Ballia
	5	large	7	Gujarat
	6	veggie	10	Ladakh
*	NULL	NULL	NULL	NULL

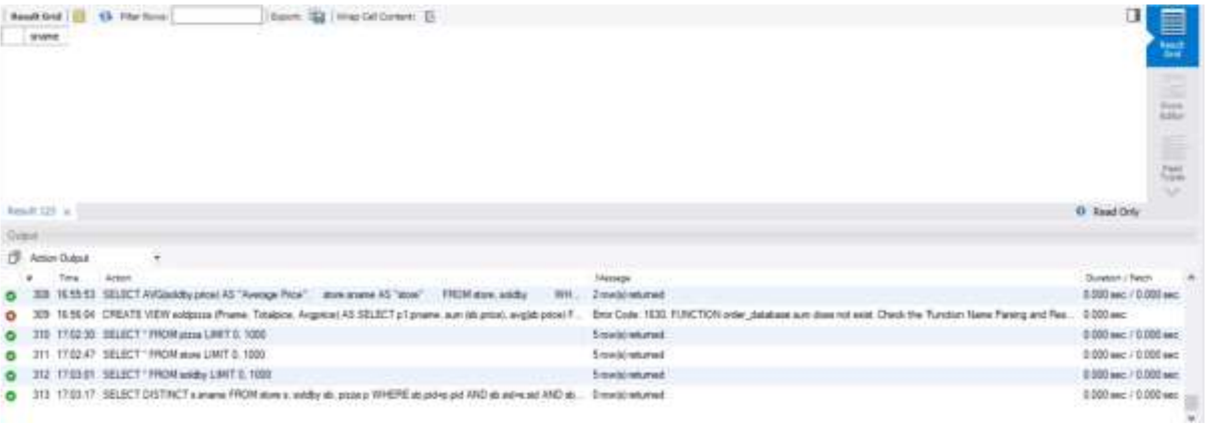


	sid	sname	phone	qualityrating
▶	100	pizzahut	911	excellent
	101	dominoes	912	good
	102	gpizza	913	great
	103	hotpizza	914	excellent
	104	coolpizza	915	good
*	NULL	NULL	NULL	NULL



	pid	sid	price
▶	2	103	999.99
	3	100	50.15
	4	104	99.99
	5	102	1500.99
	6	101	20.32
*	NULL	NULL	NULL

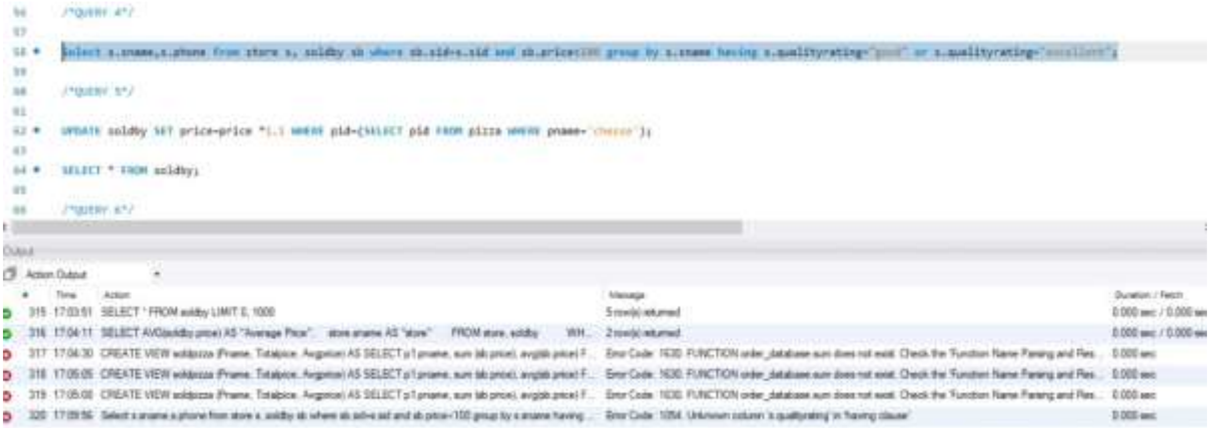
QUERY 3 :-



```
sname
```

```
#    Time      Action                                                                                                   Message                                                                                      Duration / Fetch
308  16:55:53  SELECT AVG(soldby.price) AS "Average Price",    store.sname AS "store"    FROM store, soldby    WH...   2 row(s) returned                                                                            0.000 sec / 0.000 sec
309  16:56:04  CREATE VIEW soldpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
310  17:02:30  SELECT * FROM pizza LIMIT 0, 1000                                                                        5 row(s) returned                                                                            0.000 sec / 0.000 sec
311  17:02:47  SELECT * FROM store LIMIT 0, 1000                                                                        5 row(s) returned                                                                            0.000 sec / 0.000 sec
312  17:03:01  SELECT * FROM soldby LIMIT 0, 1000                                                                       5 row(s) returned                                                                            0.000 sec / 0.000 sec
313  17:03:17  SELECT DISTINCT s.sname FROM store s, soldby sb, pizza p WHERE sb.pid=p.pid AND sb.sid=s.sid AND sb...   0 row(s) returned                                                                            0.000 sec / 0.000 sec
```

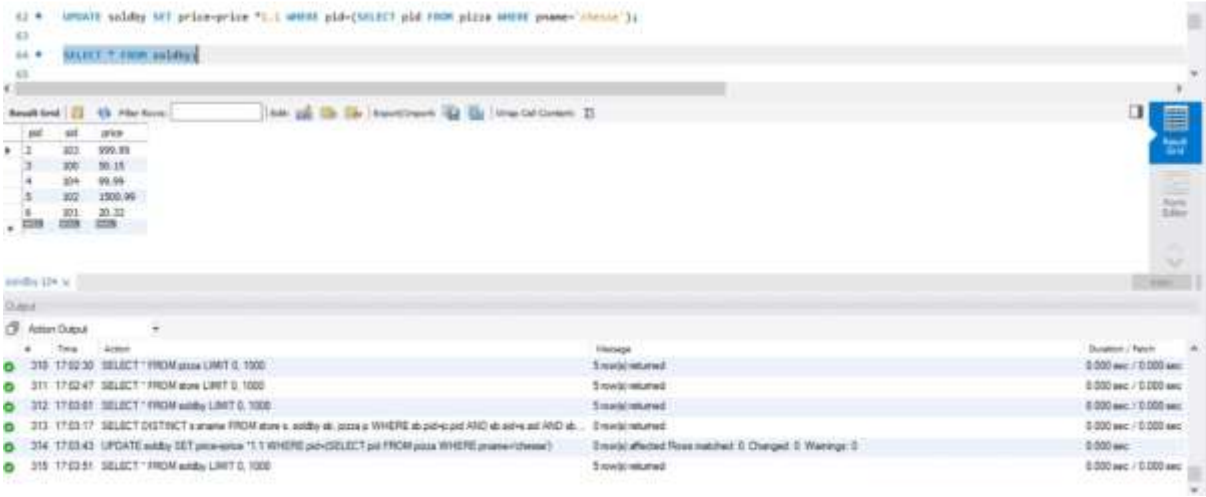
QUERY 4 :-



```
/*QUERY 4*/

Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having s.qualityrating="good" or s.qualityrating="excellent";

/*QUERY 5*/

UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese');

SELECT * FROM soldby;

/*QUERY 6*/
```

```
#    Time      Action                                                                                                   Message                                                                                      Duration / Fetch
315  17:03:51  SELECT * FROM soldby LIMIT 0, 1000                                                                       5 row(s) returned                                                                            0.000 sec / 0.000 sec
316  17:04:11  SELECT AVG(soldby.price) AS "Average Price",    store.sname AS "store"    FROM store, soldby    WH...   2 row(s) returned                                                                            0.000 sec / 0.000 sec
317  17:04:30  CREATE VIEW soldpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
318  17:05:05  CREATE VIEW soldpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
319  17:05:08  CREATE VIEW soldpizza (Pname, Totalprice, Avgprice) AS SELECT p1.pname, sum (sb.price), avg(sb.price) F...   Error Code: 1630. FUNCTION order_database.sum does not exist. Check the 'Function Name Parsing and Res...   0.000 sec
320  17:09:56  Select s.sname,s.phone from store s, soldby sb where sb.sid=s.sid and sb.price<100 group by s.sname having ...   Error Code: 1054. Unknown column 's.qualityrating' in 'having clause'                        0.000 sec
```

QUERY 5 :-

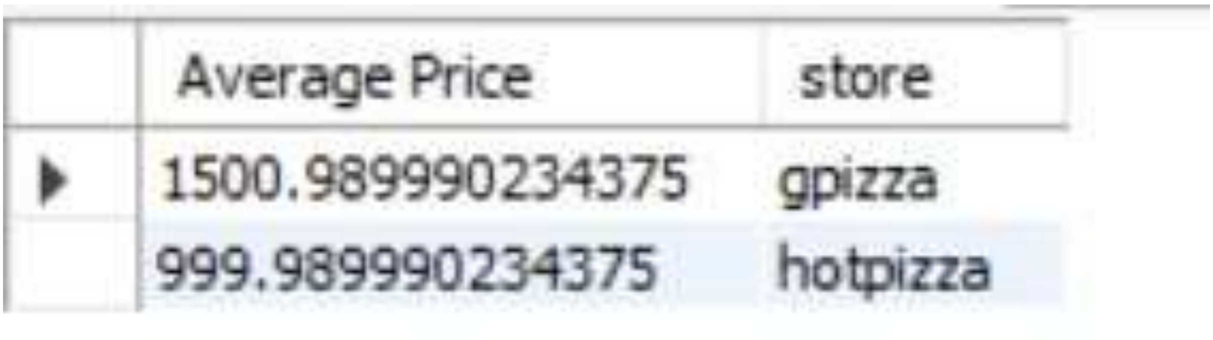


```sql
UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese');

SELECT * FROM soldby;
```

pid	sid	price
2	103	999.99
3	100	50.15
4	104	99.99
5	102	1500.99
6	101	20.32
NULL	NULL	NULL

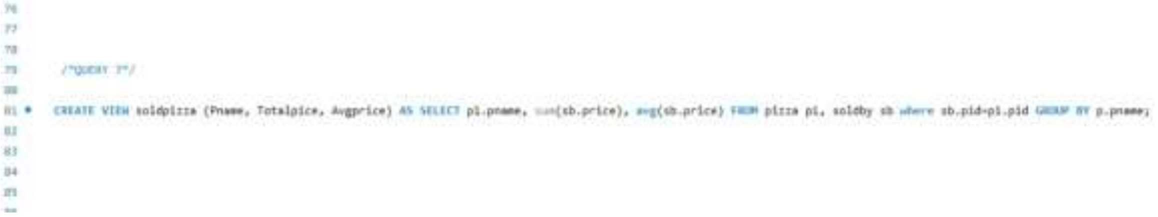
```
#    Time      Action                                                                                  Message                                                        Duration / Fetch
310  17:02:30  SELECT * FROM pizza LIMIT 0, 1000                                                       5 row(s) returned                                              0.000 sec / 0.000 sec
311  17:02:47  SELECT * FROM store LIMIT 0, 1000                                                       5 row(s) returned                                              0.000 sec / 0.000 sec
312  17:03:01  SELECT * FROM soldby LIMIT 0, 1000                                                      5 row(s) returned                                              0.000 sec / 0.000 sec
313  17:03:17  SELECT DISTINCT s.sname FROM store s, soldby sb, pizza p WHERE sb.pid=p.pid AND sb.sid=s.sid AND sb...  0 row(s) returned                         0.000 sec / 0.000 sec
314  17:03:43  UPDATE soldby SET price=price *1.1 WHERE pid=(SELECT pid FROM pizza WHERE pname='cheese')  0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0   0.000 sec
315  17:03:51  SELECT * FROM soldby LIMIT 0, 1000                                                      5 row(s) returned                                              0.000 sec / 0.000 sec
```

QUERY 6 :-



Average Price	store
1500.989990234375	gpizza
999.989990234375	hotpizza

QUERY 7 :-



```sql
/*QUERY 7*/

CREATE VIEW soldpizza (Pname, Totalpice, Avgprice) AS SELECT p1.pname, sum(sb.price), avg(sb.price) FROM pizza p1, soldby sb where sb.pid=p1.pid GROUP BY p.pname;
```