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Report
On

Java Based Software Solutions
20MCA262

Sweet Mart Shop

Submitted in Partial Fulfillment of the Requirement
for the II Semester MCA

MASTER OF COMPUTER APPLICATIONS

By

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October -2022

Assignment Mark

ASSIGNMENT -I

SL NO		*MAX MARKS*	*MARKS*
1			
2			
3			

ASSIGNMENT -II

SL NO		*MAX MARKS*	*MARKS*
1			
2			
3			

CERTIFICATE

This is to certify that Mr **Kishankumar Dahiya**, USN **1RV21MC052** 2nd semester Master of Computer Applications program has satisfactorily completed the Assignment titled “**Sweet Mart Shop** in **Java Based Software Solutions – 20MCA262** as a part of Continuous Internal Assessment.

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PROBLEM STATEMENT

Jai Ambe Sweet mart has been in business for past 30 years. There are 4 employees working on different shifts at the store. They sell various types of snacks, sweets and drinks available in variable quantity. The items are imported from distributers. All of their daily sales are logged on the ledger for future reference. They have a set of loyal customers from daily sales who give special order at a times. Jai Ambe sweet mart doesn't produce the sweets or snacks at their factory but import and resell from various distributors. Each of the customers who have given special order provided their contact to reach out once the order is ready. The price for items are all logged in and each item is uniquely identified by their ID, quantity respectively.

Key points :

- Food id and distributor id then buy price sell price
- Food 3 categories Sweets Snacks and Drinks
- Each food in Respective category having different costs for quantities

The items are priced in following manner

- For sweet increase sell price by 25%
- For Drinks increase sell price by 10%
- For Snacks increase sell price by 15%

DATABASE DESIGN

1)ENTITIES AND ATTRIBUTES

- semployee(name, seid, contact, shiftstart, shiftend)
- distributor (did, name, contact, address)
- customer (cid, name, contact, address)
- Items (iid, name, category, quantity,sprice)
- sales (seid, cid, iid, quantity, date)
- specialOrder (cid, date, price, dprice)
- import/contract(did, iid, quantity, bprice)

2)RELATIONSHIP AND CARDINALITY

- distributor **contract** items

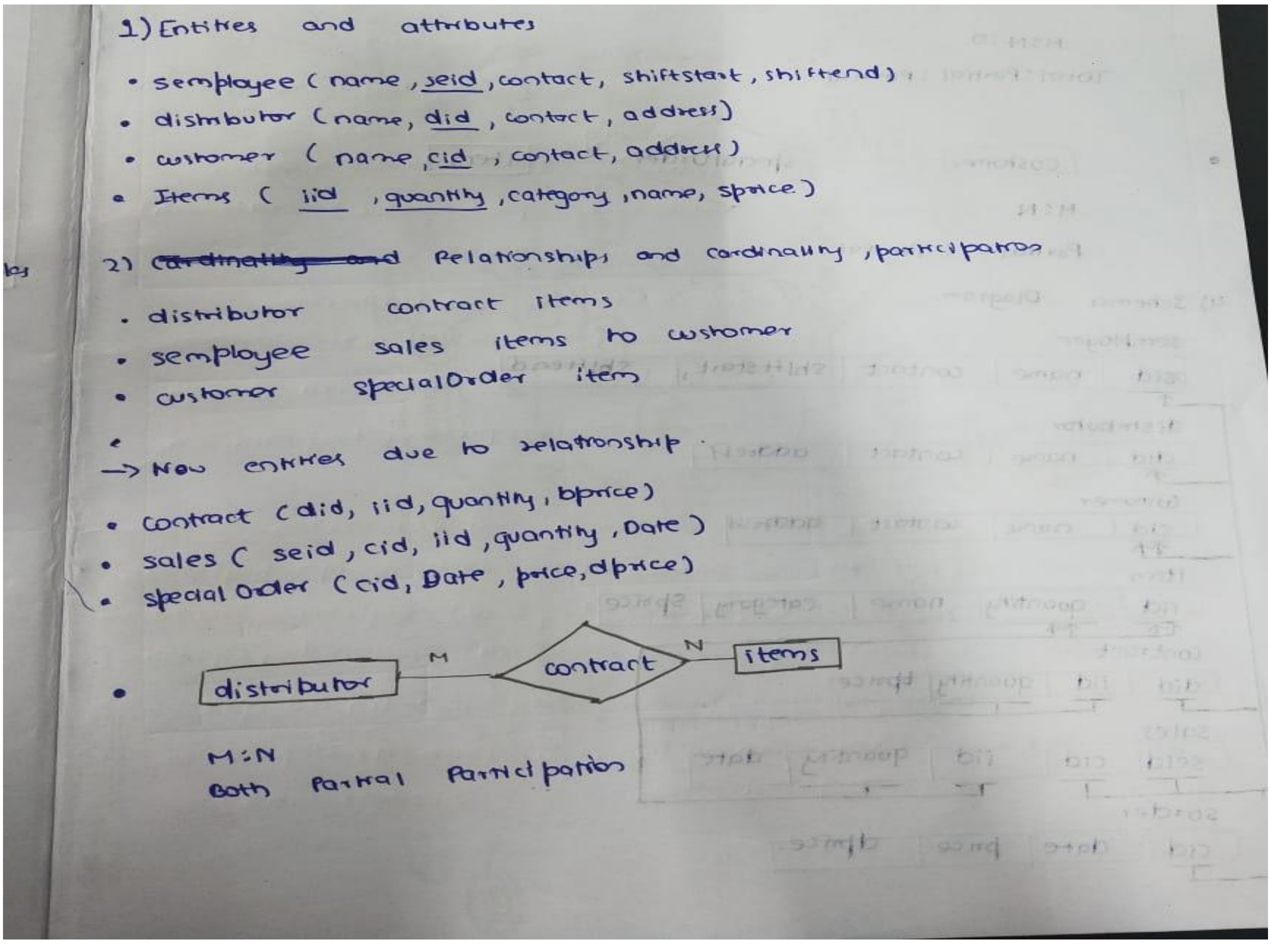
  M:N Partial : Partial

- Semployee **sales** item **to** customer

  M:N:O Total : Partial : Partial

- customer **specialOrder** item

  M:N Partial : Partial



1) Entities and attributes

- semployee (name , seid , contact, shiftstart , shiftend)
- distributor (name, did , contact , address)
- customer (name ,cid , contact, address)
- Items (iid , quantity ,category ,name, sprice)

2) ~~cardinality and~~ Relationships and cardinality ,participation

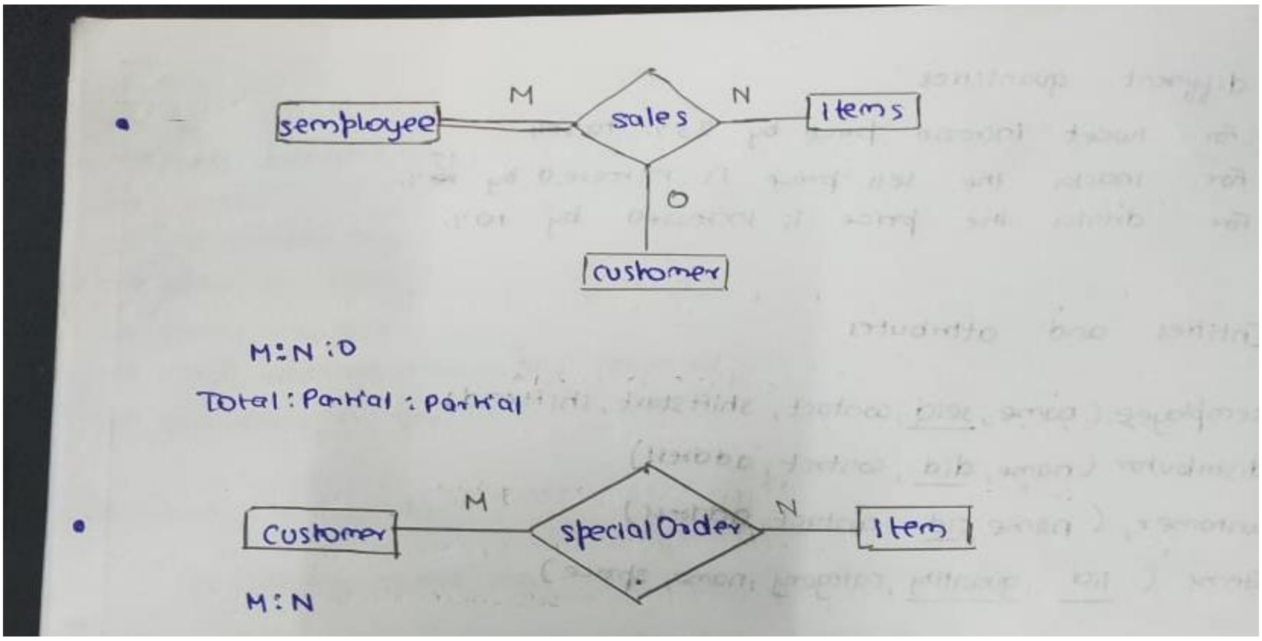
- distributor contract items
- semployee sales items to customer
- customer specialOrder item

→ New entities due to relationship

- contract (did, iid, quantity , bprice)
- sales (seid , cid, iid ,quantity , Date)
- special Order (cid, Date , price, dprice)

-

M:N
Both Partial Participation



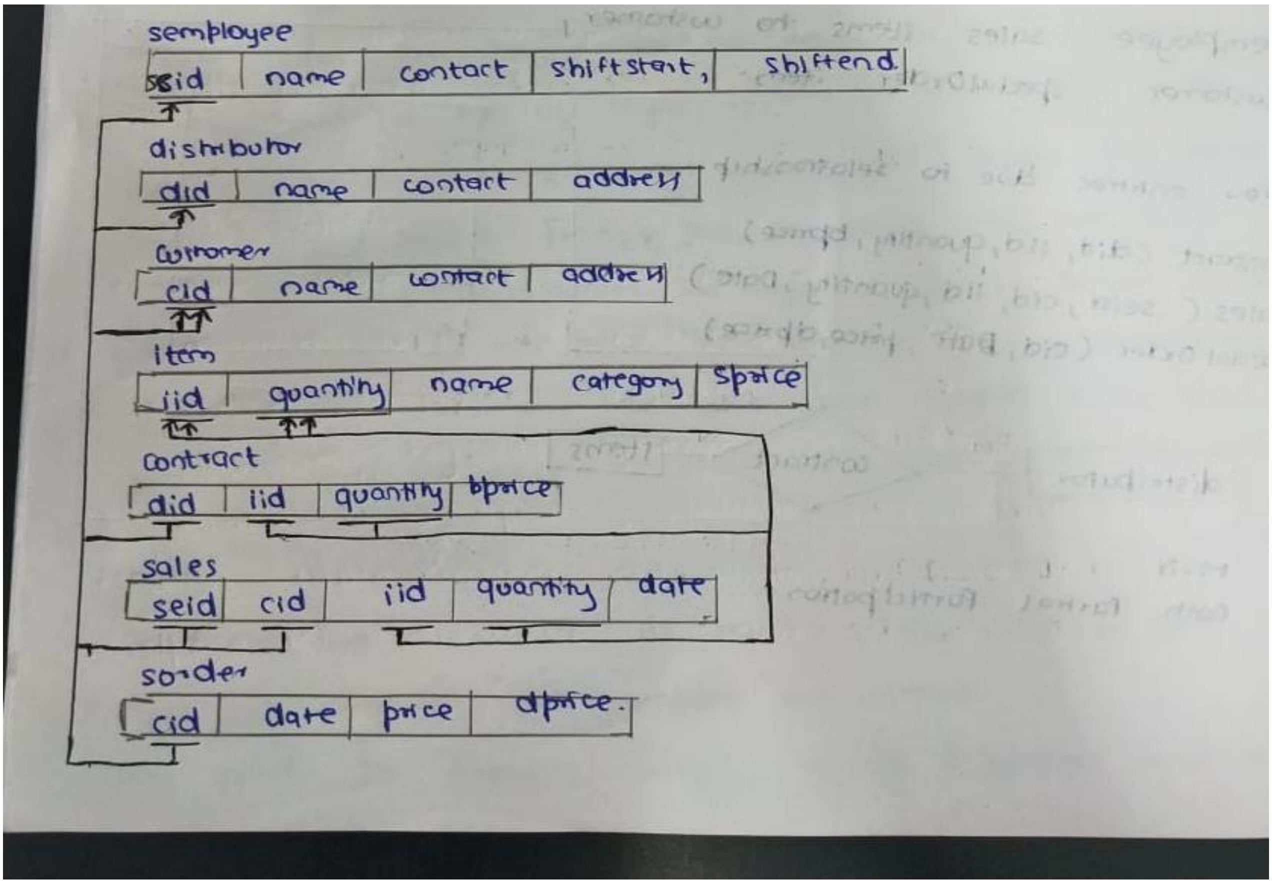
-

M:N:O
Total: Partial : partial

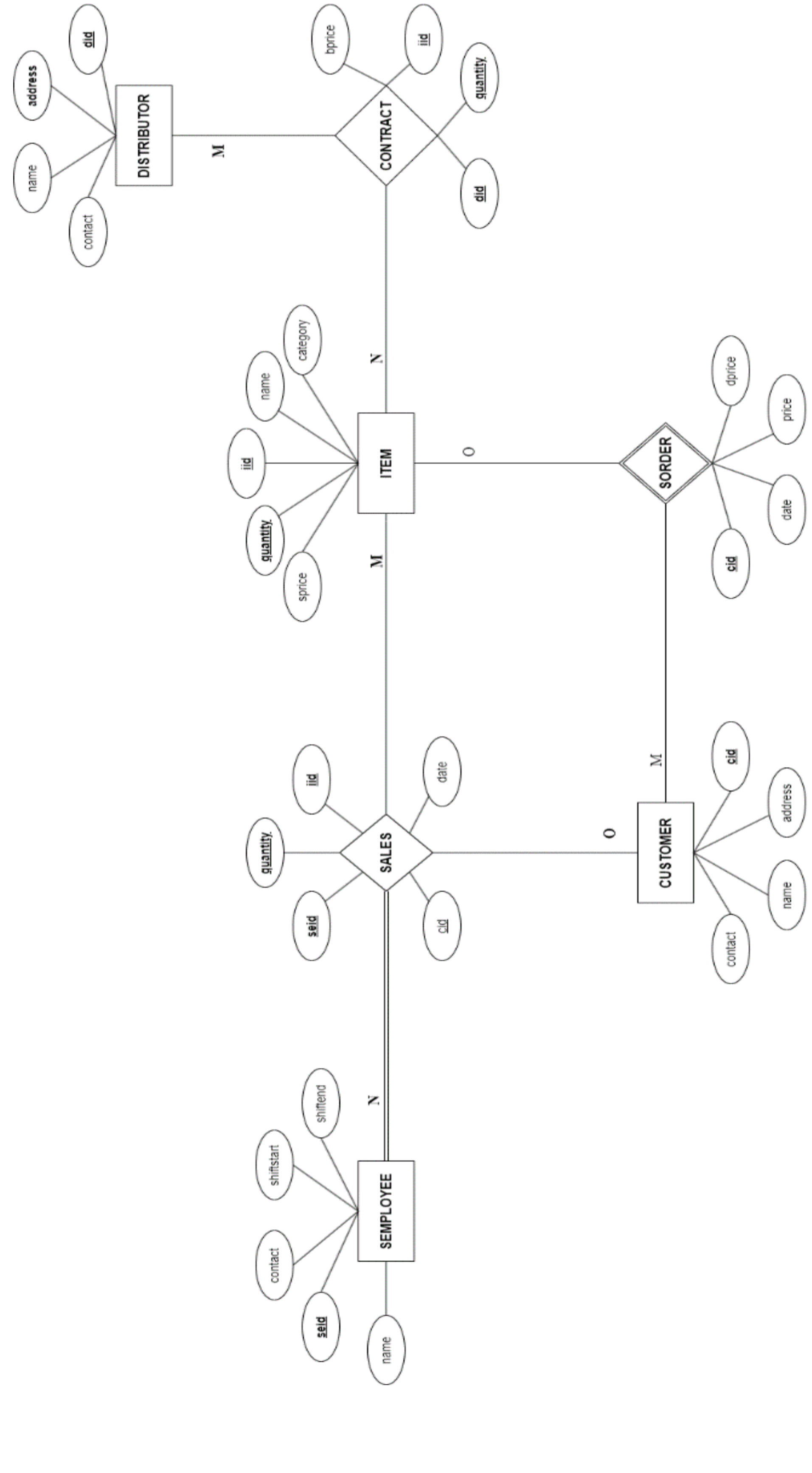
-

M:N

3)SCHEMA DIAGRAM


semployee
seid | name | contact | shiftstart, | shiftend
distributor
did | name | contact | address
customer
cid | name | contact | address
item
iid | quantity | name | category | sprice
contract
did | iid | quantity | bprice
sales
seid | cid | iid | quantity | date
sorder
cid | date | price | dprice.

4)ER DIAGRAM


DISTRIBUTOR
did
address
name
contact
M
CONTRACT
bprice
iid
quantity
did
N
ITEM
category
name
iid
quantity
sprice
O
SORDER
dprice
price
date
cid
M
SALES
iid
quantity
seid
cid
date
M
O
CUSTOMER
cid
address
name
contact
N
SEMPLOYEE
shiftend
shiftstart
contact
seid
name

5)TABLE CREATION

- create table semployee(seid varchar(20) primary key,name varchar(20),contact bigint(20),shiftstart time,shiftend time);

- create table customer(cid varchar(20) primary key,name varchar(20),contact bigint(20),address varchar(20));

- create table distributor(did varchar(20) primary key,name varchar(20),contact bigint(20),address varchar(20));

- create table item(iid varchar(20),quantity varchar(20),category varchar(20),name varchar(20),sprice int(10),index(iid),index(quantity),primary key(iid,quantity));

- create table contract(did varchar(20),iid varchar(20),quantity varchar(20),bprice int,foreign key(did) references distributor(did),foreign key(iid) references item(iid),foreign key(quantity) references item(quantity),primary key(did,iid,quantity));

- create table sales(seid varchar(20),cid varchar(20),iid varchar(20),quantity varchar(20),Date date, foreign key(seid) references semployee(seid),foreign key(cid) references customer(cid),foreign key(iid) references item(iid),foreign key(quantity) references item(quantity),primary key(seid,cid,iid,quantity));

- create table sorder(cid varchar(20),Date date,price int,dprice int,foreign key(cid) references customer(cid));

6)VALUES INSERTION

1. semployee(seid,name,contact,shiftstart,shiftend);

```
create table semployee(seid varchar(20) primary key,name
varchar(20),contact bigint(20),shiftstart time,shiftend time);

insert into semployee
values("s001","Krupa",123321,"08:00:00","12:00:00");
insert into semployee
values("s002","Daizy",123322,"12:00:00","16:00:00");
insert into semployee
values("s003","Jayshah",123323,"16:00:00","20:00:00");
insert into semployee
values("s004","Kiran",123324,"08:00:00","12:00:00");
insert into semployee
values("s005","Dashline",123325,"12:00:00","16:00:00");
insert into semployee
values("s006","Jaya",123326,"16:00:00","20:00:00");
```

---

2. distributor(did,name,contact,address);

```
create table distributor(did varchar(20) primary key,name
varchar(20),contact bigint(20),address varchar(20));

insert into distributor values("d001","Vishal",123331,"Ankola");
insert into distributor values("d002","Chandan",123332,"Ankola");
insert into distributor values("d003","Usha",123333,"Karwar");
insert into distributor values("d004","Prashant",123334,"Kumta");
insert into distributor values("d005","Preeti",123335,"Gokarna");
```

---

3. customer(cid,name,contact,address);

```
create table customer(cid varchar(20) primary key,name
varchar(20),contact bigint(20),address varchar(20));

insert into customer values("c001","Pavan",123311,"Ankola");
insert into customer values("c002","Rukhaya",123312,"Ankola");
insert into customer values("c003","Pavitra",123313,"Karwar");
insert into customer values("c004","Winil",123314,"Ankola");
insert into customer values("c005","Rakshitha",123315,"Gokarna");
insert into customer values("c006","Rakshit",123316,"Ankola");
insert into customer values("c007","Rohan",123317,"Goa");
insert into customer values("c008","Madhuri",123318,"Belgaum");
insert into customer values("c009","Rosalia",123319,"Dharwad");
insert into customer values("c010","Mahesh",123320,"Hubli");
```

---

4. item(iid,quantity,category,name,sprice);

```
create table item(iid varchar(20),quantity varchar(20),category
varchar(20),name varchar(20),sprice
int(10),index(iid),index(quantity),primary key(iid,quantity));

snacks;
insert into item values("i001","500gm","snack","Aloo Bhujia",140);
insert into item values("i001","1000gm","snack","Aloo Bhujia",280);
insert into item values("i002","500gm","snack","Khara Boondi",80);
insert into item values("i002","1000gm","snack","Khara
Boondi",160);
insert into item values("i003","500gm","snack","Plain Sev",80);
insert into item values("i003","1000gm","snack","Plain Sev",160);
insert into item values("i004","500gm","snack","Mix Khara",100);
insert into item values("i004","1000gm","snack","Mix Khara",200);
insert into item values("i005","500gm","snack","Sweet Khara",100);
insert into item values("i005","1000gm","snack","Sweet Khara",200);

sweets;
insert into item values("i006","500gm","sweet","Pista Burfi",200);
insert into item values("i006","1000gm","sweet","Pista Burfi",400);
insert into item values("i007","500gm","sweet","Dharwad Peda",140);
insert into item values("i007","1000gm","sweet","Dharwad Peda",280);
insert into item values("i008","500gm","sweet","Gulab Jamun",180);
insert into item values("i008","1000gm","sweet","Gulab Jamun",360);
insert into item values("i009","500gm","sweet","Mysore Pak",160);
insert into item values("i009","1000gm","sweet","Mysore Pak",320);
insert into item values("i010","500gm","sweet","Kaju Kathli",200);
insert into item values("i010","1000gm","sweet","Kaju Kathli",400);

drinks;
insert into item values("i011","750ml","drink","Sprite",40);
insert into item values("i011","1250ml","drink","Sprite",65);
insert into item values("i012","750ml","drink","Cocacola",40);
insert into item values("i012","1250ml","drink","Cocacola",65);
insert into item values("i013","750ml","drink","Fanta",40);
insert into item values("i013","1250ml","drink","Fanta",65);
insert into item values("i014","750ml","drink","Soda",20);
insert into item values("i014","1250ml","drink","Soda",40);
insert into item values("i015","250ml","drink","Badam Milk",35);
insert into item values("i015","500ml","drink","Badam Milk",60);
```

---

5. contract(did,iid,quantity,bprice);

```
create table contract(did varchar(20),iid varchar(20),quantity varchar(20),bprice int,foreign key(did) references distributor(did),foreign key(iid) references item(iid),foreign key(quantity) references item(quantity),primary key(did,iid,quantity));

snack;
distributor 1;
insert into contract values("d001","i001","500gm",120);
insert into contract values("d001","i001","1000gm",240);
insert into contract values("d001","i002","500gm",60);
insert into contract values("d001","i002","1000gm",120);
insert into contract values("d001","i003","500gm",60);
insert into contract values("d001","i003","1000gm",120);
insert into contract values("d001","i004","500gm",80);
insert into contract values("d001","i004","1000gm",160);
insert into contract values("d001","i005","500gm",80);
insert into contract values("d001","i005","1000gm",160);

distributor 2;
insert into contract values("d002","i001","500gm",130);
insert into contract values("d002","i001","1000gm",260);
insert into contract values("d002","i002","500gm",70);
insert into contract values("d002","i002","1000gm",140);
insert into contract values("d002","i003","500gm",70);
insert into contract values("d002","i003","1000gm",140);
insert into contract values("d002","i004","500gm",90);
insert into contract values("d002","i004","1000gm",180);
insert into contract values("d002","i005","500gm",90);
insert into contract values("d002","i005","1000gm",180);

sweets;
distributor 1;
insert into contract values("d001","i006","500gm",180);
insert into contract values("d001","i006","1000gm",360);
insert into contract values("d001","i007","500gm",120);
insert into contract values("d001","i007","1000gm",240);
insert into contract values("d001","i008","500gm",160);
insert into contract values("d001","i008","1000gm",320);
insert into contract values("d001","i009","500gm",140);
insert into contract values("d001","i009","1000gm",280);
insert into contract values("d001","i010","500gm",180);
insert into contract values("d001","i010","1000gm",360);

distributor 3;
insert into contract values("d003","i006","500gm",190);
insert into contract values("d003","i006","1000gm",380);
insert into contract values("d003","i007","500gm",130);
insert into contract values("d003","i007","1000gm",260);
insert into contract values("d003","i008","500gm",170);
insert into contract values("d003","i008","1000gm",340);
insert into contract values("d003","i009","500gm",150);
insert into contract values("d003","i009","1000gm",300);
insert into contract values("d003","i010","500gm",190);
insert into contract values("d003","i010","1000gm",380);
```

drinks;

distributor 1;

```
insert into contract values("d001","i011","750ml",37);
insert into contract values("d001","i011","1250ml",60);
insert into contract values("d001","i012","750ml",37);
insert into contract values("d001","i012","1250ml",60);
insert into contract values("d001","i013","750ml",37);
insert into contract values("d001","i013","1250ml",60);
insert into contract values("d001","i014","750ml",17);
insert into contract values("d001","i014","1250ml",35);
insert into contract values("d001","i015","250ml",32);
insert into contract values("d001","i015","500ml",55);
```

distributor 5;

```
insert into contract values("d005","i011","750ml",38);
insert into contract values("d005","i011","1250ml",62);
insert into contract values("d005","i012","750ml",38);
insert into contract values("d005","i012","1250ml",62);
insert into contract values("d005","i013","750ml",38);
insert into contract values("d005","i013","1250ml",62);
insert into contract values("d005","i014","750ml",18);
insert into contract values("d005","i014","1250ml",37);
insert into contract values("d005","i015","250ml",33);
insert into contract values("d005","i015","500ml",57);
```

distributor 4 supplies no items;

6. sales(seid,cid,iid,quantity,Date);

```
create table sales(seid varchar(20),cid varchar(20),iid varchar(20),quantity varchar(20),Date date, foreign key(seid) references semployee(seid),foreign key(cid) references customer(cid),foreign key(iid) references item(iid),foreign key(quantity) references item(quantity),primary key(seid,cid,iid,quantity));
```

sales from 10 Feb to 12 Feb, shift 8am to 12pm by employee 1 and 2;

```
insert into sales values("s001","c001","i001","1000gm","2022-02-10");
insert into sales values("s001","c001","i002","500gm","2022-02-10");
insert into sales values("s001","c001","i003","1000gm","2022-02-10");
insert into sales values("s001","c002","i003","500gm","2022-02-10");
insert into sales values("s001","c002","i005","1000gm","2022-02-11");
insert into sales values("s002","c002","i001","500gm","2022-02-11");
insert into sales values("s002","c002","i002","1000gm","2022-02-11");
insert into sales values("s002","c003","i004","500gm","2022-02-11");
insert into sales values("s002","c003","i005","500gm","2022-02-11");
insert into sales values("s002","c004","i001","1000gm","2022-02-12");
insert into sales values("s001","c004","i004","500gm","2022-02-12");
insert into sales values("s001","c005","i002","1000gm","2022-02-12");
insert into sales values("s002","c004","i005","500gm","2022-02-12");
insert into sales values("s002","c005","i003","1000gm","2022-02-12");
```

sales from 10 Feb to 12 Feb, shift 12pm to 4pm by employee 3 and 4;

```
insert into sales values("s003","c006","i006","1000gm","2022-02-10");
insert into sales values("s003","c007","i007","500gm","2022-02-10");
insert into sales values("s003","c006","i008","1000gm","2022-02-10");
insert into sales values("s003","c007","i008","500gm","2022-02-10");
insert into sales values("s003","c010","i009","1000gm","2022-02-11");
insert into sales values("s004","c006","i006","500gm","2022-02-11");
insert into sales values("s004","c010","i007","1000gm","2022-02-11");
insert into sales values("s003","c006","i010","500gm","2022-02-11");
insert into sales values("s004","c007","i009","500gm","2022-02-11");
insert into sales values("s003","c004","i006","1000gm","2022-02-12");
insert into sales values("s003","c007","i010","500gm","2022-02-12");
insert into sales values("s003","c005","i007","1000gm","2022-02-12");
insert into sales values("s004","c004","i012","750ml","2022-02-12");
insert into sales values("s003","c005","i008","1000gm","2022-02-12");
```

sales from 10 Feb to 12 Feb, shift 4pm to 8pm by employee 5 and 6;

```
insert into sales values("s006","c010","i011","1250ml","2022-02-10");
insert into sales values("s006","c008","i012","1250ml","2022-02-10");
insert into sales values("s006","c009","i013","1250ml","2022-02-12");
insert into sales values("s006","c002","i011","750ml","2022-02-12");
insert into sales values("s006","c009","i015","250ml","2022-02-11");
insert into sales values("s006","c008","i013","1250ml","2022-02-11");
insert into sales values("s006","c010","i014","750ml","2022-02-11");
```

Employee 5 has been absent for these days;

---

7. sorder(cid,Date,price,dprice);

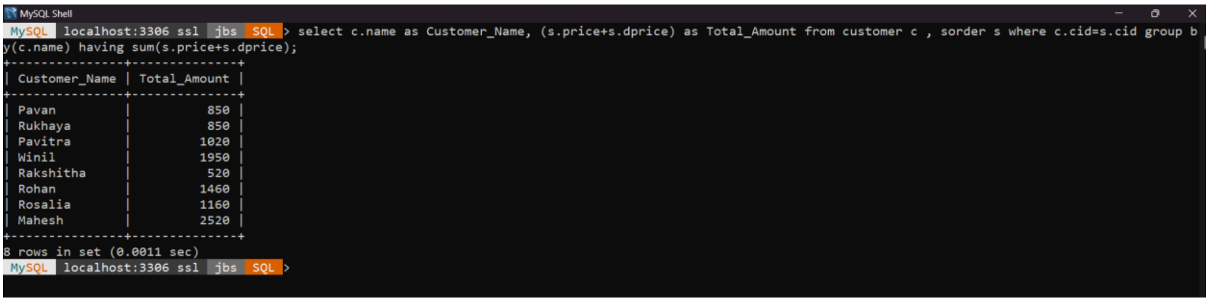
```
create table sorder( cid varchar(20),Date date,price int,dprice int,foreign key(cid) references customer(cid));
```

Special Orders of February 2022;

```
insert into sorder values("c002","2022-02-04",800,50);
insert into sorder values("c002","2022-02-04",400,50);
insert into sorder values("c001","2022-02-07",800,50);
insert into sorder values("c004","2022-02-08",1800,150);
insert into sorder values("c003","2022-02-02",900,120);
insert into sorder values("c007","2022-02-09",1400,60);
insert into sorder values("c009","2022-02-12",1110,50);
insert into sorder values("c010","2022-02-16",2400,120);
insert into sorder values("c010","2022-02-24",400,20);
insert into sorder values("c005","2022-02-22",500,20);
insert into sorder values("c003","2022-02-21",400,50);
insert into sorder values("c007","2022-02-28",1200,50);
insert into sorder values("c009","2022-02-25",1800,120);
insert into sorder values("c004","2022-02-06",936,68);
insert into sorder values("c001","2022-02-14",800,50);
```

Queries on the Database

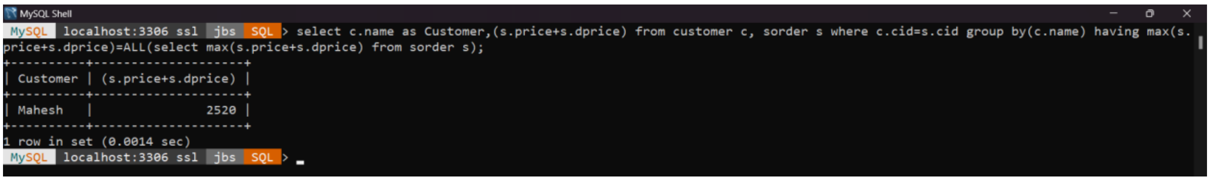
1)List the total amount of the all the special orders given by the loyal customers over the time and names of customer.



```
MySQL Shell
MySQL  localhost:3306 ssl  jbs  SQL > select c.name as Customer_Name, (s.price+s.dprice) as Total_Amount from customer c , sorder s where c.cid=s.cid group b
y(c.name) having sum(s.price+s.dprice);
+---------------+--------------+
| Customer_Name | Total_Amount |
+---------------+--------------+
| Pavan         |          850 |
| Rukhaya       |          850 |
| Pavitra       |         1020 |
| Winil         |         1950 |
| Rakshitha     |          520 |
| Rohan         |         1460 |
| Rosalia       |         1160 |
| Mahesh        |         2520 |
+---------------+--------------+
8 rows in set (0.0011 sec)
MySQL  localhost:3306 ssl  jbs  SQL >
```

select c.name as Customer_Name, (s.price+s.dprice) as Total_Amount from customer c , sorder s where c.cid=s.cid group by(c.name) having sum(s.price+s.dprice);

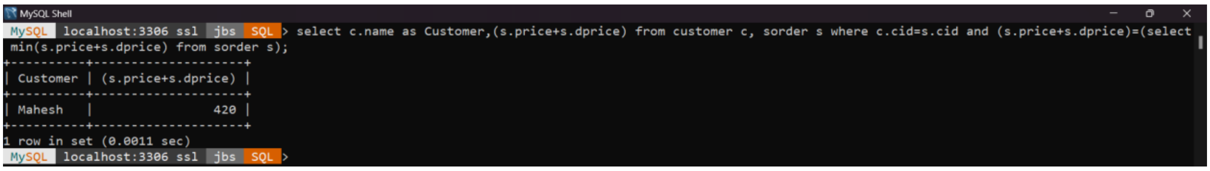
2)Display the loyal customer who has given the maximum amount of order in term of money during overall period of time.



```
MySQL Shell
MySQL  localhost:3306 ssl  jbs  SQL > select c.name as Customer,(s.price+s.dprice) from customer c, sorder s where c.cid=s.cid group by(c.name) having max(s.
price+s.dprice)=ALL(select max(s.price+s.dprice) from sorder s);
+----------+-------------------+
| Customer | (s.price+s.dprice) |
+----------+-------------------+
| Mahesh   |              2520 |
+----------+-------------------+
1 row in set (0.0014 sec)
MySQL  localhost:3306 ssl  jbs  SQL > _
```

select c.name as Customer,(s.price+s.dprice) from customer c, sorder s where c.cid=s.cid group by(c.name) having max(s.price+s.dprice)=ALL(select max(s.price+s.dprice) from sorder s);

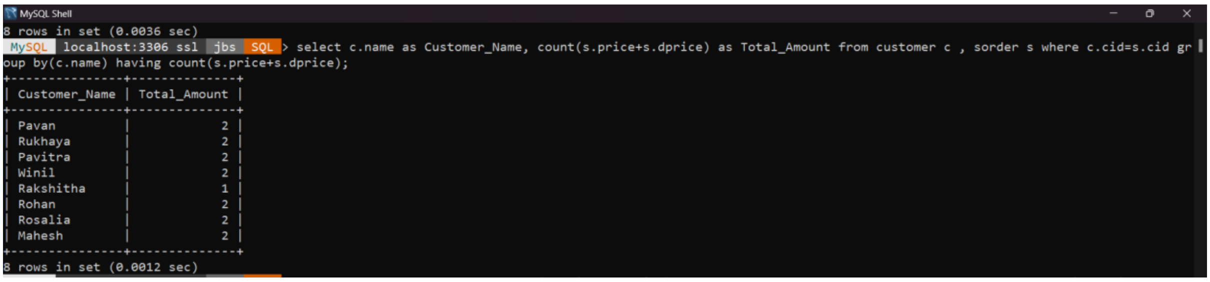
3)Display the loyal customer who has given the minimum amount of order in term of money during overall period of time.



```
MySQL  localhost:3306 ssl  jbs  SQL > select c.name as Customer,(s.price+s.dprice) from customer c, sorder s where c.cid=s.cid and (s.price+s.dprice)=(select
 min(s.price+s.dprice) from sorder s);
+----------+-------------------+
| Customer | (s.price+s.dprice) |
+----------+-------------------+
| Mahesh   |               420 |
+----------+-------------------+
1 row in set (0.0011 sec)
MySQL  localhost:3306 ssl  jbs  SQL >
```

select c.name as Customer,(s.price+s.dprice) from customer c, sorder s where c.cid=s.cid and (s.price+s.dprice)=(select min(s.price+s.dprice) from sorder s);

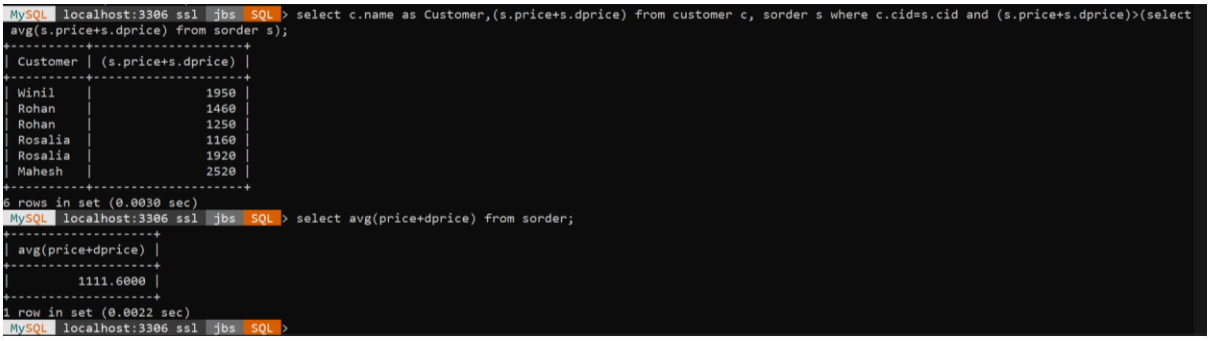
4)List the total number of special orders placed by loyal customers.



```
8 rows in set (0.0036 sec)
MySQL  localhost:3306 ssl  jbs  SQL > select c.name as Customer_Name, count(s.price+s.dprice) as Total_Amount from customer c , sorder s where c.cid=s.cid gr
oup by(c.name) having count(s.price+s.dprice);
+---------------+--------------+
| Customer_Name | Total_Amount |
+---------------+--------------+
| Pavan         |            2 |
| Rukhaya       |            2 |
| Pavitra       |            2 |
| Winil         |            2 |
| Rakshitha     |            1 |
| Rohan         |            2 |
| Rosalia       |            2 |
| Mahesh        |            2 |
+---------------+--------------+
8 rows in set (0.0012 sec)
```

select c.name as Customer_Name, count(s.price+s.dprice) as Total_Amount from customer c , sorder s where c.cid=s.cid group by(c.name) having count(s.price+s.dprice);

5)List the customers who have given special order of amount

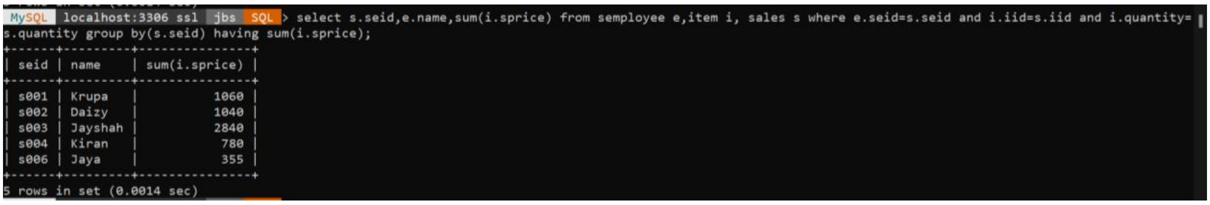


```
MySQL  localhost:3306 ssl  jbs  SQL > select c.name as Customer,(s.price+s.dprice) from customer c, sorder s where c.cid=s.cid and (s.price+s.dprice)>(select
 avg(s.price+s.dprice) from sorder s);
+----------+-------------------+
| Customer | (s.price+s.dprice) |
+----------+-------------------+
| Winil    |              1950 |
| Rohan    |              1460 |
| Rohan    |              1250 |
| Rosalia  |              1160 |
| Rosalia  |              1920 |
| Mahesh   |              2520 |
+----------+-------------------+
6 rows in set (0.0030 sec)
MySQL  localhost:3306 ssl  jbs  SQL > select avg(price+dprice) from sorder;
+-------------------+
| avg(price+dprice) |
+-------------------+
|         1111.6000 |
+-------------------+
1 row in set (0.0022 sec)
MySQL  localhost:3306 ssl  jbs  SQL >
```

more than average special order amount

select c.name as Customer,(s.price+s.dprice) from customer c, sorder s where c.cid=s.cid and (s.price+s.dprice)>(select avg(s.price+s.dprice) from sorder s);

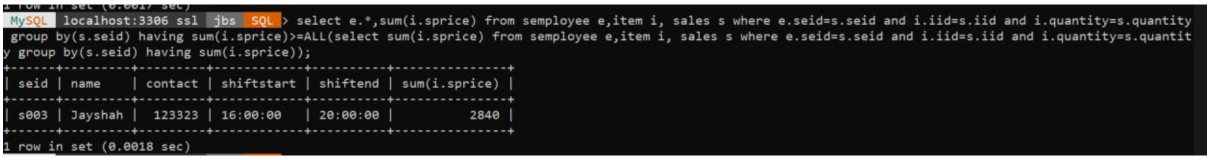
6)Display the total amount of sales made by each employee for the overall time



```
MySQL  localhost:3306 ssl  jbs  SQL > select s.seid,e.name,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=
s.quantity group by(s.seid) having sum(i.sprice);
+------+---------+---------------+
| seid | name    | sum(i.sprice) |
+------+---------+---------------+
| s001 | Krupa   |          1060 |
| s002 | Daizy   |          1040 |
| s003 | Jayshah |          2840 |
| s004 | Kiran   |           780 |
| s006 | Jaya    |           355 |
+------+---------+---------------+
5 rows in set (0.0014 sec)
```

select s.seid,e.name,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(s.seid) having sum(i.sprice);

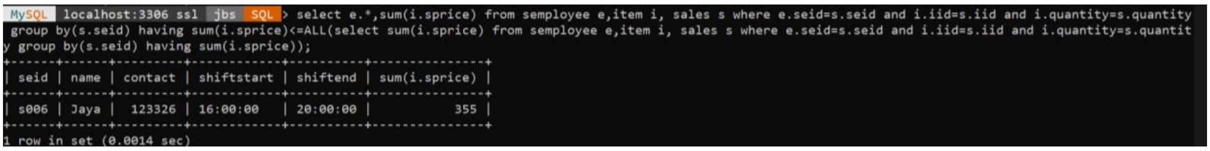
7)Display employee details of employee with max sales



```
MySQL  localhost:3306 ssl  jbs  SQL > select e.*,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity
 group by(s.seid) having sum(i.sprice)>=ALL(select sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantit
y group by(s.seid) having sum(i.sprice));
+------+---------+---------+------------+----------+---------------+
| seid | name    | contact | shiftstart | shiftend | sum(i.sprice) |
+------+---------+---------+------------+----------+---------------+
| s003 | Jayshah |  123323 | 16:00:00   | 20:00:00 |          2840 |
+------+---------+---------+------------+----------+---------------+
1 row in set (0.0018 sec)
```

select e.*,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(s.seid) having sum(i.sprice)>=ALL(select sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(s.seid) having sum(i.sprice));

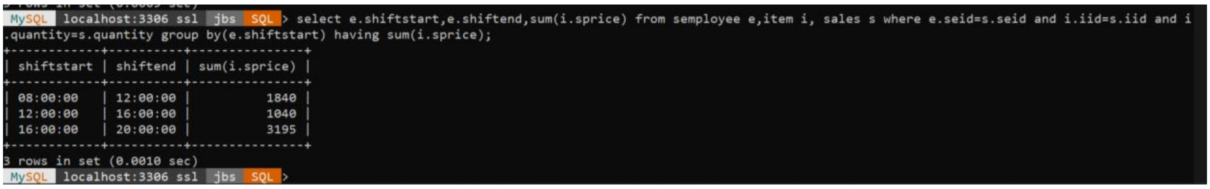
8)Display employee details of employee with least sales



```
MySQL  localhost:3306 ssl  jbs  SQL > select e.*,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity
 group by(s.seid) having sum(i.sprice)<=ALL(select sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantit
y group by(s.seid) having sum(i.sprice));
+------+------+---------+------------+----------+---------------+
| seid | name | contact | shiftstart | shiftend | sum(i.sprice) |
+------+------+---------+------------+----------+---------------+
| s006 | Jaya |  123326 | 16:00:00   | 20:00:00 |           355 |
+------+------+---------+------------+----------+---------------+
1 row in set (0.0014 sec)
```

select e.*,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(s.seid) having sum(i.sprice)<=ALL(select sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(s.seid) having sum(i.sprice));

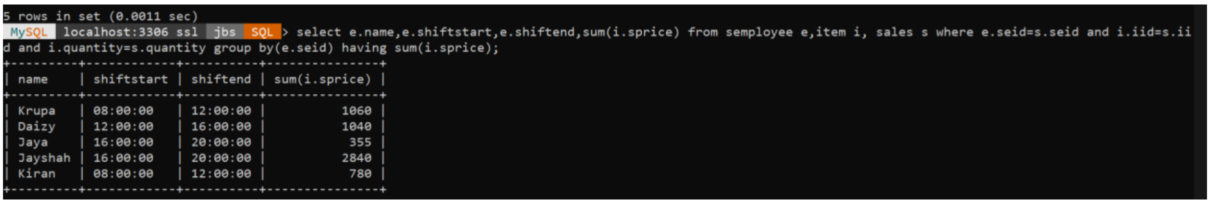
9)Display total sales at each shift throughout the day



```
MySQL  localhost:3306 ssl  jbs  SQL > select e.shiftstart,e.shiftend,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i
.quantity=s.quantity group by(e.shiftstart) having sum(i.sprice);
+------------+----------+---------------+
| shiftstart | shiftend | sum(i.sprice) |
+------------+----------+---------------+
| 08:00:00   | 12:00:00 |          1840 |
| 12:00:00   | 16:00:00 |          1040 |
| 16:00:00   | 20:00:00 |          3195 |
+------------+----------+---------------+
3 rows in set (0.0010 sec)
MySQL  localhost:3306 ssl  jbs  SQL >
```

select e.shiftstart,e.shiftend,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(e.shiftstart) having sum(i.sprice);

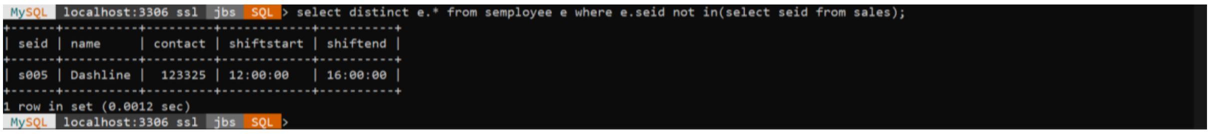
10) Display total sales of employee by shift, must include all employee and their shift time



```
5 rows in set (0.0011 sec)
 MySQL  localhost:3306 ssl  jbs  SQL > select e.name,e.shiftstart,e.shiftend,sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.ii
d and i.quantity=s.quantity group by(e.seid) having sum(i.sprice);
+---------+-----------+----------+---------------+
| name    | shiftstart | shiftend | sum(i.sprice) |
+---------+-----------+----------+---------------+
| Krupa   | 08:00:00  | 12:00:00 |          1060 |
| Daizy   | 12:00:00  | 16:00:00 |          1040 |
| Jaya    | 16:00:00  | 20:00:00 |           355 |
| Jayshah | 16:00:00  | 20:00:00 |          2840 |
| Kiran   | 08:00:00  | 12:00:00 |           780 |
+---------+-----------+----------+---------------+
```

select e.name,e.shiftstart,e.shiftend, sum(i.sprice) from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(e.seid) having sum(i.sprice);

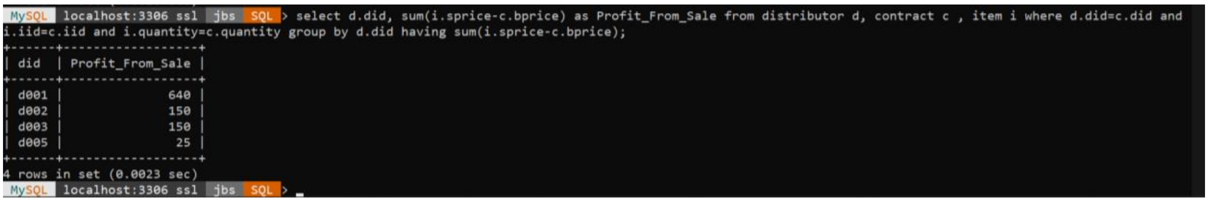
11)Display Employee details who has not done any sales



```
 MySQL  localhost:3306 ssl  jbs  SQL > select distinct e.* from semployee e where e.seid not in(select seid from sales);
+------+----------+---------+------------+----------+
| seid | name     | contact | shiftstart | shiftend |
+------+----------+---------+------------+----------+
| s005 | Dashline |  123325 | 12:00:00   | 16:00:00 |
+------+----------+---------+------------+----------+
1 row in set (0.0012 sec)
 MySQL  localhost:3306 ssl  jbs  SQL >
```

select distinct e.* from semployee e where e.seid not in(select seid from sales);

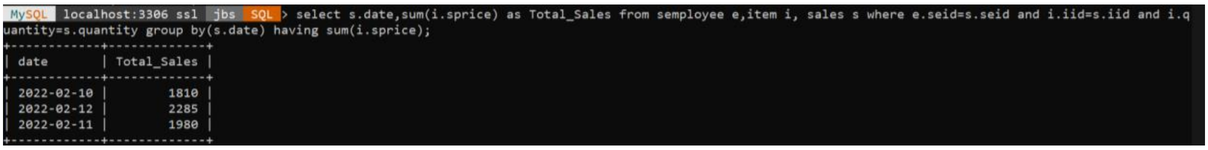
12)Display how much profit will generated by items purchased from each distributor on the sales overall



```
 MySQL  localhost:3306 ssl  jbs  SQL > select d.did, sum(i.sprice-c.bprice) as Profit_From_Sale from distributor d, contract c , item i where d.did=c.did and
i.iid=c.iid and i.quantity=c.quantity group by d.did having sum(i.sprice-c.bprice);
+------+------------------+
| did  | Profit_From_Sale |
+------+------------------+
| d001 |              640 |
| d002 |              150 |
| d003 |              150 |
| d005 |               25 |
+------+------------------+
4 rows in set (0.0023 sec)
 MySQL  localhost:3306 ssl  jbs  SQL > _
```

select d.did, sum(i.sprice-c.bprice) as Profit_From_Sale from distributor d, contract c , item i where d.did=c.did and i.iid=c.iid and i.quantity=c.quantity group by d.did having sum(i.sprice-c.bprice);

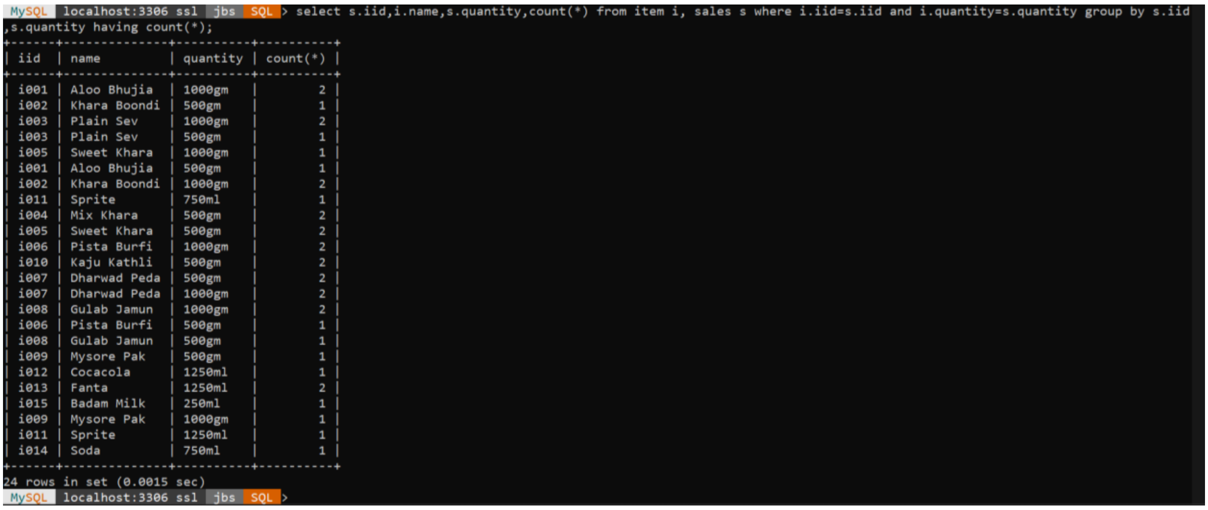
13)Display the Total Sales by day



```
MySQL  localhost:3306 ssl  jbs  SQL > select s.date,sum(i.sprice) as Total_Sales from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.q
uantity=s.quantity group by(s.date) having sum(i.sprice);
+------------+-------------+
| date       | Total_Sales |
+------------+-------------+
| 2022-02-10 |        1810 |
| 2022-02-12 |        2285 |
| 2022-02-11 |        1980 |
+------------+-------------+
```

select s.date,sum(i.sprice) as Total_Sales from semployee e,item i, sales s where e.seid=s.seid and i.iid=s.iid and i.quantity=s.quantity group by(s.date) having sum(i.sprice);

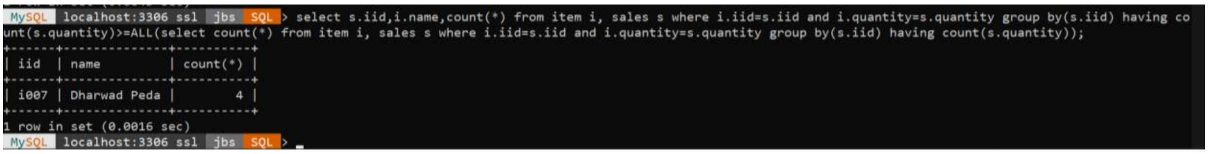
14)Display overall sales of each item by each quantity



```
MySQL  localhost:3306 ssl  jbs  SQL > select s.iid,i.name,s.quantity,count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by s.iid
,s.quantity having count(*);
+------+--------------+----------+----------+
| iid  | name         | quantity | count(*) |
+------+--------------+----------+----------+
| i001 | Aloo Bhujia  | 1000gm   |        2 |
| i002 | Khara Boondi | 500gm    |        1 |
| i003 | Plain Sev    | 1000gm   |        2 |
| i003 | Plain Sev    | 500gm    |        1 |
| i005 | Sweet Khara  | 1000gm   |        1 |
| i001 | Aloo Bhujia  | 500gm    |        1 |
| i002 | Khara Boondi | 1000gm   |        2 |
| i011 | Sprite       | 750ml    |        1 |
| i004 | Mix Khara    | 500gm    |        2 |
| i005 | Sweet Khara  | 500gm    |        2 |
| i006 | Pista Burfi  | 1000gm   |        2 |
| i010 | Kaju Kathli  | 500gm    |        2 |
| i007 | Dharwad Peda | 500gm    |        2 |
| i007 | Dharwad Peda | 1000gm   |        2 |
| i008 | Gulab Jamun  | 1000gm   |        2 |
| i006 | Pista Burfi  | 500gm    |        1 |
| i008 | Gulab Jamun  | 500gm    |        1 |
| i009 | Mysore Pak   | 500gm    |        1 |
| i012 | Cocacola     | 1250ml   |        1 |
| i013 | Fanta        | 1250ml   |        2 |
| i015 | Badam Milk   | 250ml    |        1 |
| i009 | Mysore Pak   | 1000gm   |        1 |
| i011 | Sprite       | 1250ml   |        1 |
| i014 | Soda         | 750ml    |        1 |
+------+--------------+----------+----------+
24 rows in set (0.0015 sec)
MySQL  localhost:3306 ssl  jbs  SQL >
```

select s.iid,i.name,s.quantity,count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by s.iid,s.quantity having count(*);

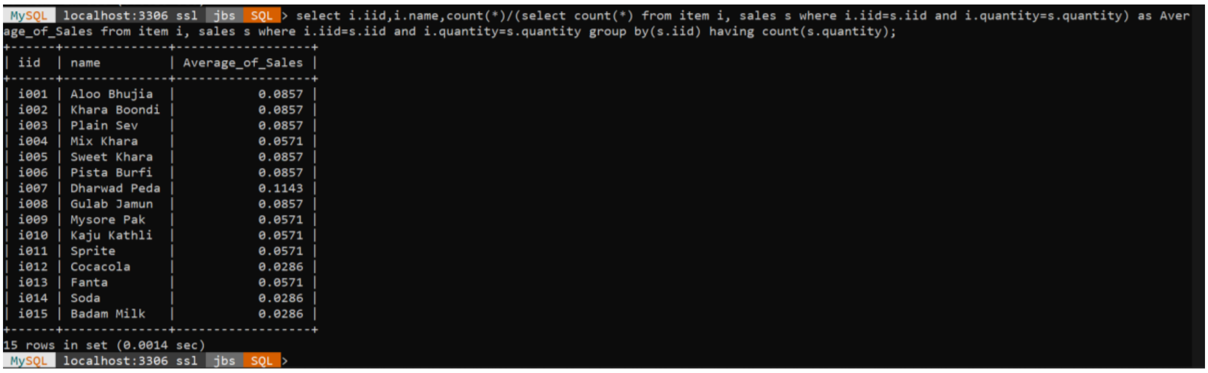
15)Which item is most popular(sold most)



```
MySQL  localhost:3306 ssl  jbs  SQL > select s.iid,i.name,count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by(s.iid) having co
unt(s.quantity)>=ALL(select count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by(s.iid) having count(s.quantity));
+------+--------------+----------+
| iid  | name         | count(*) |
+------+--------------+----------+
| i007 | Dharwad Peda |        4 |
+------+--------------+----------+
1 row in set (0.0016 sec)
MySQL  localhost:3306 ssl  jbs  SQL > _
```

select s.iid,i.name,count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by(s.iid) having count(s.quantity)>=ALL(select count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by(s.iid) having count(s.quantity));

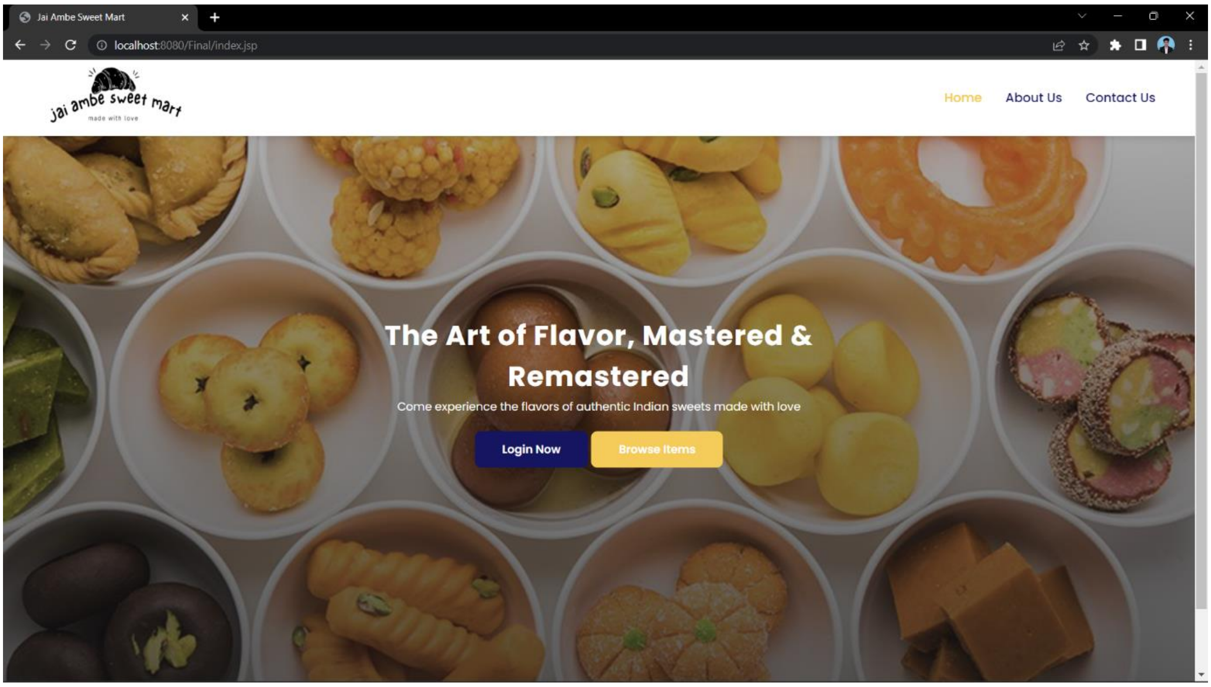
16)Give the average sale of each item sold.



```
MySQL  localhost:3306 ssl  jbs  SQL > select i.iid,i.name,count(*)/(select count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity) as Aver
age_of_Sales from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by(s.iid) having count(s.quantity);
+------+--------------+------------------+
| iid  | name         | Average_of_Sales |
+------+--------------+------------------+
| i001 | Aloo Bhujia  |           0.0857 |
| i002 | Khara Boondi |           0.0857 |
| i003 | Plain Sev    |           0.0857 |
| i004 | Mix Khara    |           0.0571 |
| i005 | Sweet Khara  |           0.0857 |
| i006 | Pista Burfi  |           0.0857 |
| i007 | Dharwad Peda |           0.1143 |
| i008 | Gulab Jamun  |           0.0857 |
| i009 | Mysore Pak   |           0.0571 |
| i010 | Kaju Kathli  |           0.0571 |
| i011 | Sprite       |           0.0571 |
| i012 | Cocacola     |           0.0286 |
| i013 | Fanta        |           0.0571 |
| i014 | Soda         |           0.0286 |
| i015 | Badam Milk   |           0.0286 |
+------+--------------+------------------+
15 rows in set (0.0014 sec)
MySQL  localhost:3306 ssl  jbs  SQL >
```

select i.iid,i.name,count(*)/(select count(*) from item i, sales s where i.iid=s.iid and i.quantity=s.quantity) as Average_of_Sales from item i, sales s where i.iid=s.iid and i.quantity=s.quantity group by(s.iid) having count(s.quantity);

IMPLEMENTATION



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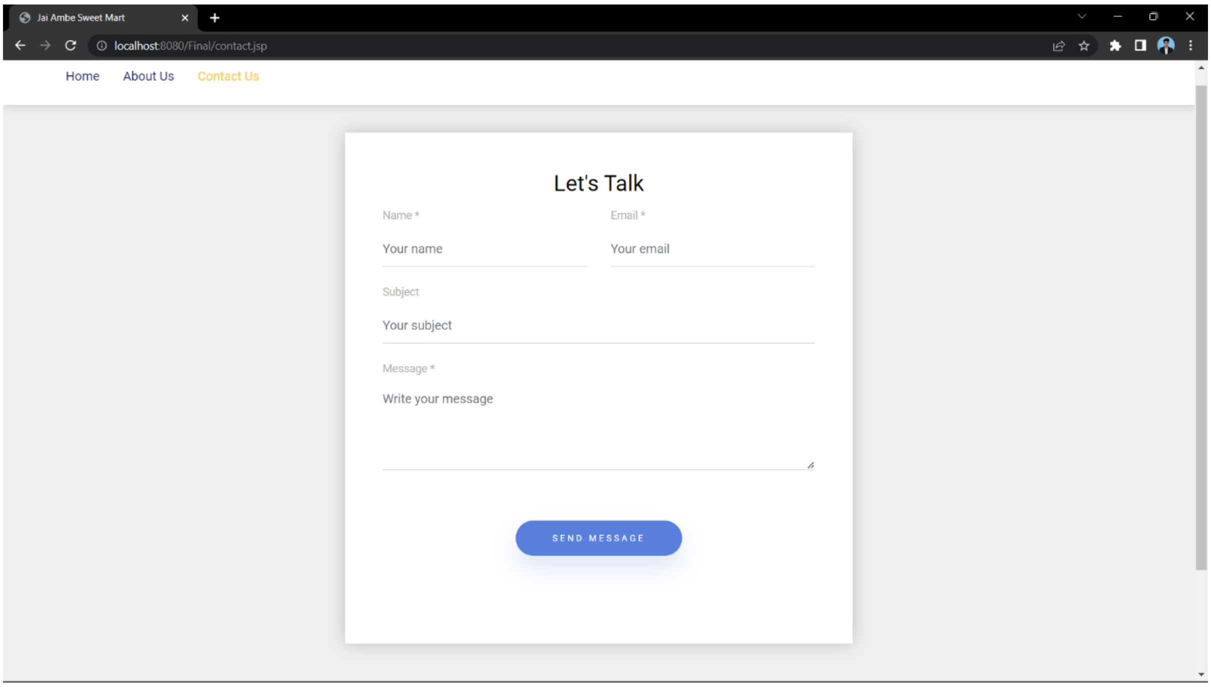


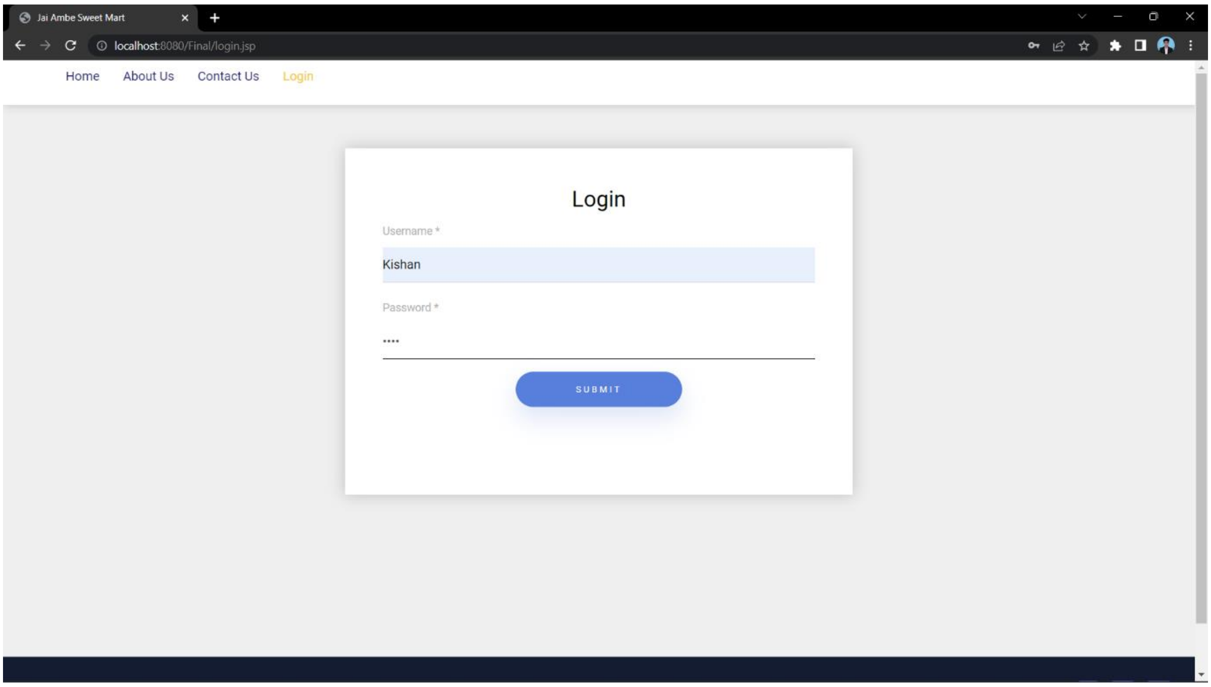
Let's Talk

Name *
Your name

Email *
Your email

Subject
Your subject

Message *
Write your message



Login

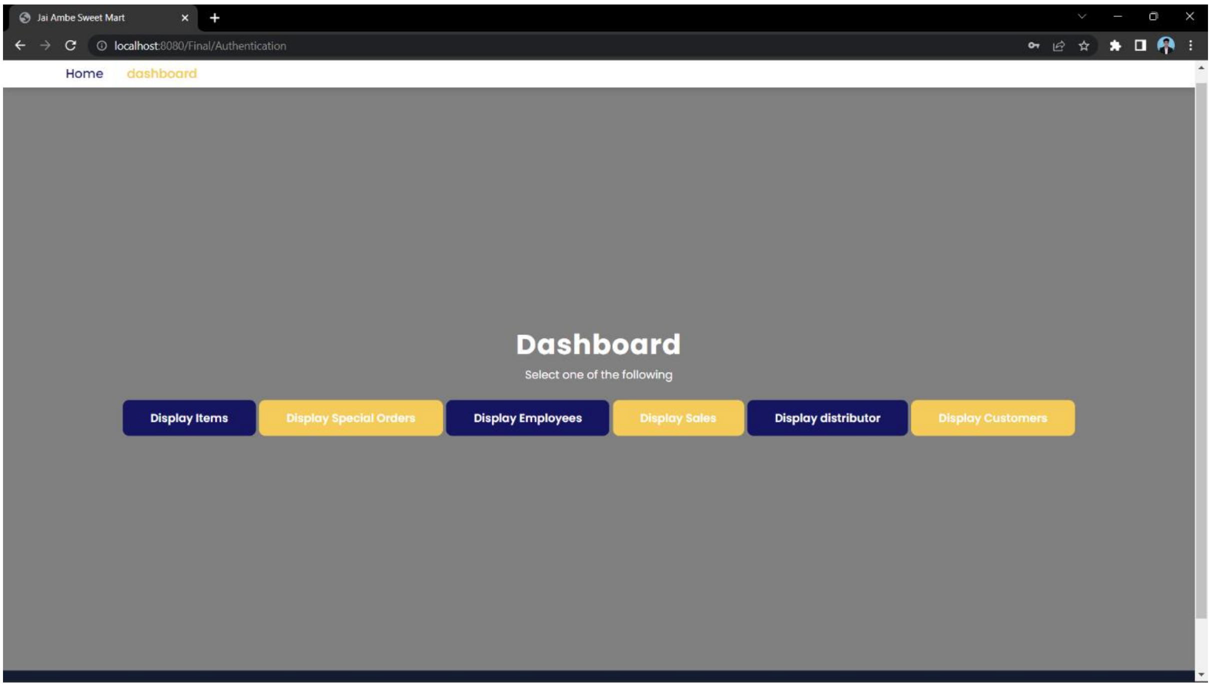
Username *

Kishan

Password *

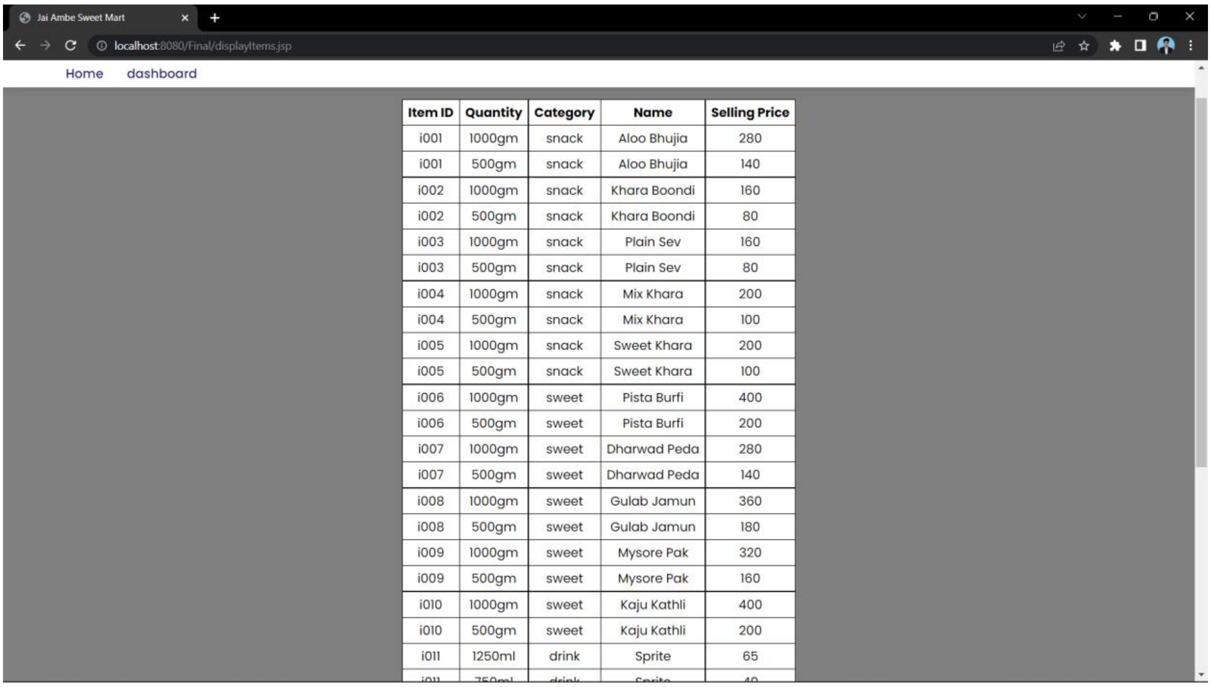
••••

SUBMIT

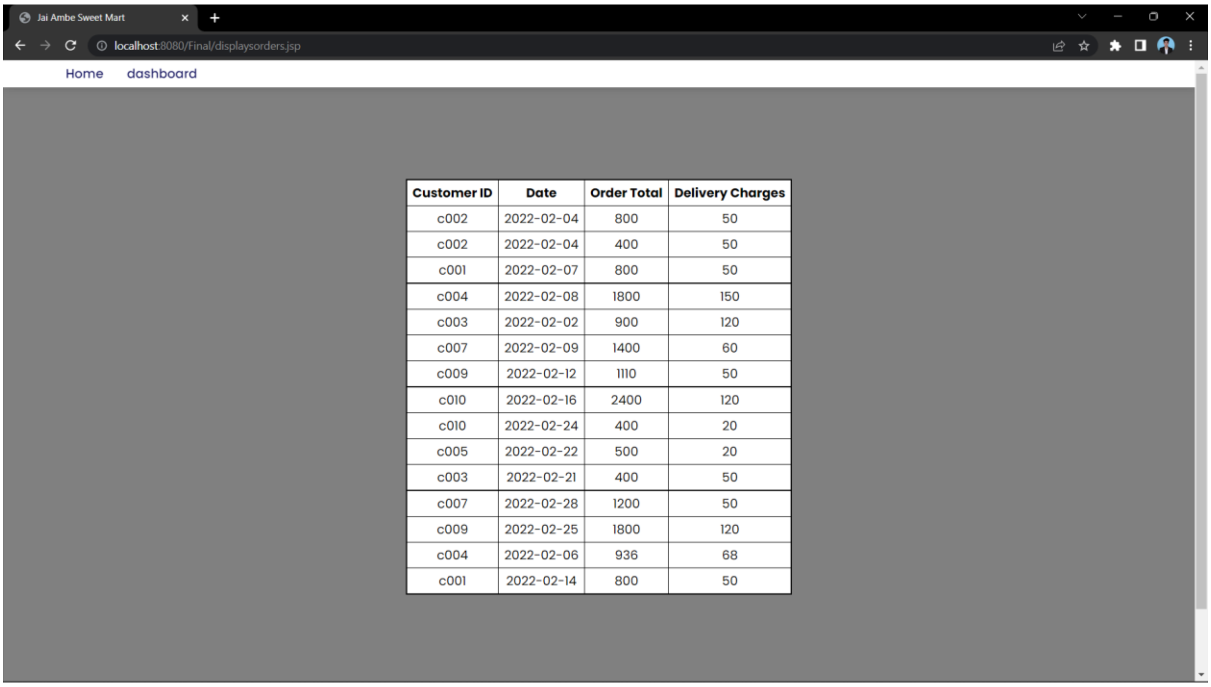


Dashboard

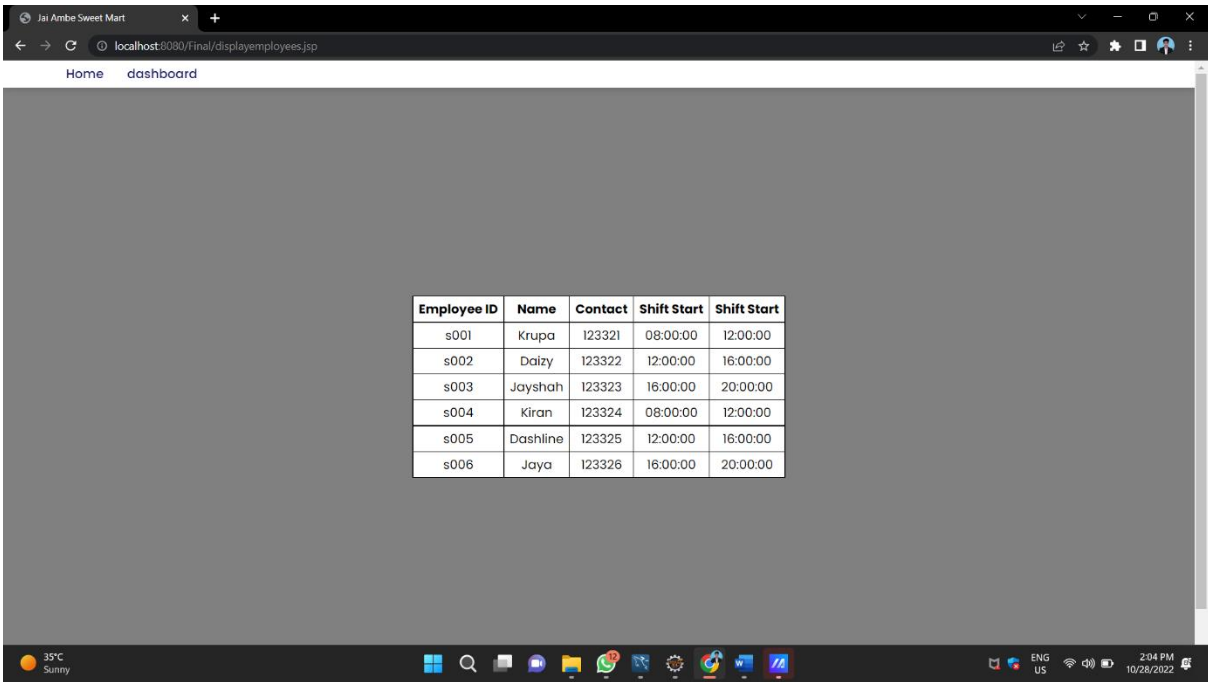
Select one of the following



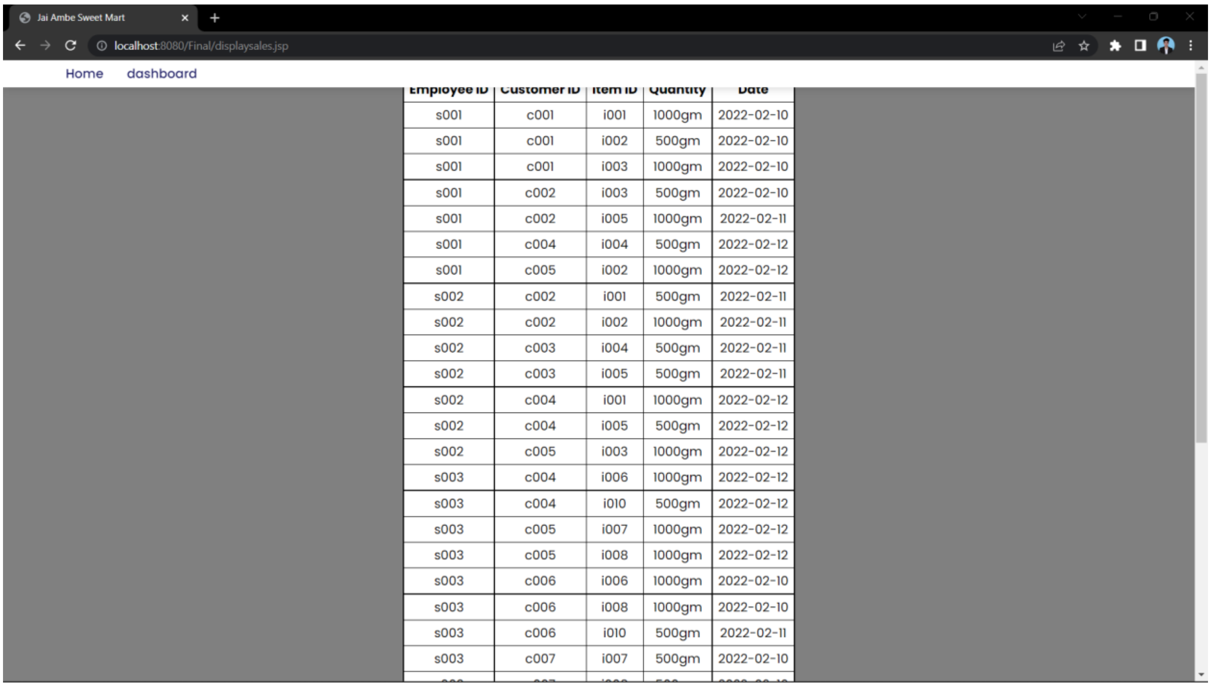
Item ID	Quantity	Category	Name	Selling Price
i001	1000gm	snack	Aloo Bhujia	280
i001	500gm	snack	Aloo Bhujia	140
i002	1000gm	snack	Khara Boondi	160
i002	500gm	snack	Khara Boondi	80
i003	1000gm	snack	Plain Sev	160
i003	500gm	snack	Plain Sev	80
i004	1000gm	snack	Mix Khara	200
i004	500gm	snack	Mix Khara	100
i005	1000gm	snack	Sweet Khara	200
i005	500gm	snack	Sweet Khara	100
i006	1000gm	sweet	Pista Burfi	400
i006	500gm	sweet	Pista Burfi	200
i007	1000gm	sweet	Dharwad Peda	280
i007	500gm	sweet	Dharwad Peda	140
i008	1000gm	sweet	Gulab Jamun	360
i008	500gm	sweet	Gulab Jamun	180
i009	1000gm	sweet	Mysore Pak	320
i009	500gm	sweet	Mysore Pak	160
i010	1000gm	sweet	Kaju Kathli	400
i010	500gm	sweet	Kaju Kathli	200
i011	1250ml	drink	Sprite	65
i011	750ml	drink	Sprite	40



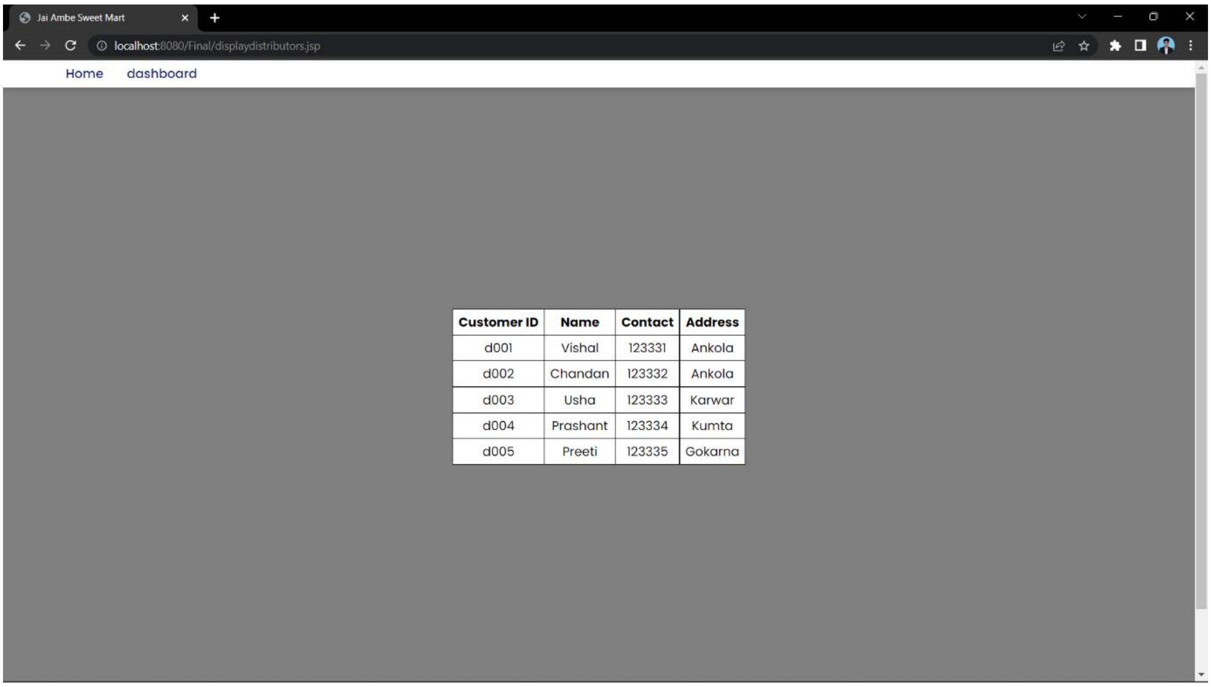
Customer ID	Date	Order Total	Delivery Charges
c002	2022-02-04	800	50
c002	2022-02-04	400	50
c001	2022-02-07	800	50
c004	2022-02-08	1800	150
c003	2022-02-02	900	120
c007	2022-02-09	1400	60
c009	2022-02-12	1110	50
c010	2022-02-16	2400	120
c010	2022-02-24	400	20
c005	2022-02-22	500	20
c003	2022-02-21	400	50
c007	2022-02-28	1200	50
c009	2022-02-25	1800	120
c004	2022-02-06	936	68
c001	2022-02-14	800	50



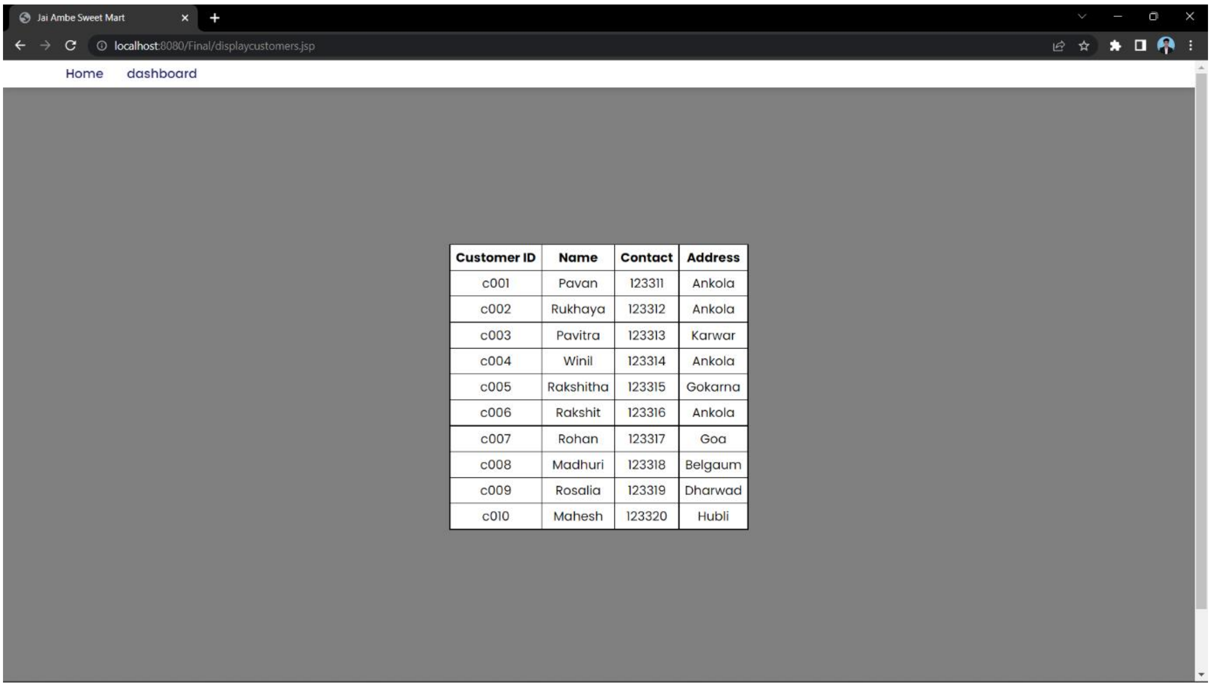
Employee ID	Name	Contact	Shift Start	Shift Start
s001	Krupa	123321	08:00:00	12:00:00
s002	Daizy	123322	12:00:00	16:00:00
s003	Jayshah	123323	16:00:00	20:00:00
s004	Kiran	123324	08:00:00	12:00:00
s005	Dashline	123325	12:00:00	16:00:00
s006	Jaya	123326	16:00:00	20:00:00



Employee ID	Customer ID	Item ID	Quantity	Date
s001	c001	i001	1000gm	2022-02-10
s001	c001	i002	500gm	2022-02-10
s001	c001	i003	1000gm	2022-02-10
s001	c002	i003	500gm	2022-02-10
s001	c002	i005	1000gm	2022-02-11
s001	c004	i004	500gm	2022-02-12
s001	c005	i002	1000gm	2022-02-12
s002	c002	i001	500gm	2022-02-11
s002	c002	i002	1000gm	2022-02-11
s002	c003	i004	500gm	2022-02-11
s002	c003	i005	500gm	2022-02-11
s002	c004	i001	1000gm	2022-02-12
s002	c004	i005	500gm	2022-02-12
s002	c005	i003	1000gm	2022-02-12
s003	c004	i006	1000gm	2022-02-12
s003	c004	i010	500gm	2022-02-12
s003	c005	i007	1000gm	2022-02-12
s003	c005	i008	1000gm	2022-02-12
s003	c006	i006	1000gm	2022-02-10
s003	c006	i008	1000gm	2022-02-10
s003	c006	i010	500gm	2022-02-11
s003	c007	i007	500gm	2022-02-10



Customer ID	Name	Contact	Address
d001	Vishal	123331	Ankola
d002	Chandan	123332	Ankola
d003	Usha	123333	Karwar
d004	Prashant	123334	Kumta
d005	Preeti	123335	Gokarna



Customer ID	Name	Contact	Address
c001	Pavan	123311	Ankola
c002	Rukhaya	123312	Ankola
c003	Pavitra	123313	Karwar
c004	Winil	123314	Ankola
c005	Rakshitha	123315	Gokarna
c006	Rakshit	123316	Ankola
c007	Rohan	123317	Goa
c008	Madhuri	123318	Belgaum
c009	Rosalia	123319	Dharwad
c010	Mahesh	123320	Hubli