

BAR-BEER-DRINKER

Group 35

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SOURCE CODE: EVERYTHING WAS DONE IN MYSQL ALONE.

Tables created =>

```
CREATE TABLE bars(  
  barname char(255),  
  opentiming char(100),  
  closetiming char(100),  
  address char(255),  
  license char(255),  
  city char(255),  
  phone char(255),  
  tax float(5),  
  primary key (barname)  
);
```

```
Create table items(  
  beername char(100),  
  beerTransID char(100),  
  beverages char(100),  
  beverageTransID char(100),  
  food char(100),  
  foodTransID char(100),  
  primary key (beername, beerTransID, beverages, beverageTransID, food, foodTransID)  
);
```

```
Create table sells(  
  barname char(255) not null,  
  beername char(100),  
  beerTransID char(100),  
  beerprice char(50),  
  beverages char(100),  
  beverageTransID char(100),  
  bevprice char(50),  
  food char(100) not null,  
  foodTransID char(100),  
  foodprice char(50)  
);
```

```
create table bills(  
  billID char(100),  
  transTime time,  
  barname char(255) not null,  
  beername char(100),  
  beerTransID char(100),  
  beerprice char(50),  
  beverages char(100),  
  beverageTransID char(100),  
  bevprice char(50),  
  food char(100) not null,  
  foodTransID char(100),  
  foodprice char(50)  
);
```

```
create table drinkers(  
    drinkername char(200),  
    city char(100),  
    phone char(100),  
    address char(150),  
    cardnumber char(100),  
    expiry char(50),  
    primary key(drinkername, cardnumber,expiry)  
);
```

DATA LOADED to tables =>

```
LOAD DATA LOCAL INFILE "C:/Users/jeeha/Documents/CS336/BarsTable.csv"  
INTO TABLE bars  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
(barname,opentiming,closetiming,address,license,city,phone,tax);
```

```
LOAD DATA LOCAL INFILE "C:/Users/jeeha/Documents/CS336/ItemsTable.csv"  
INTO TABLE items  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
(beername,beerTransID,beverages,beverageTransID,food,foodTransID);
```

```
LOAD DATA LOCAL INFILE "C:/Users/jeeha/Documents/CS336/DrinkersTable.csv"  
INTO TABLE drinkers  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n' (drinkername,city,phone,address,cardnumber,expiry);
```

```
LOAD DATA LOCAL INFILE "C:/Users/jeeha/Documents/CS336/SellsTable.csv"
INTO TABLE sells
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
(barname,beername,beerTransID,beerprice,beverages,beverageTransID,bevprice,food,foodTransID,foodprice);
```

```
LOAD DATA LOCAL INFILE "C:/Users/jeeha/Documents/CS336/BillsTable.csv"
INTO TABLE bills
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
(billID,transTime,barname,beername,beerTransID,beerprice,beverages,beverageTransID,bevprice,food,foodTransID,foodprice);
```

RANDOM TUPLES GENERATED =>

```
insert into sells(barname,beername, beerTransID,food, foodTransID, beverages,
beverageTransID)
(select distinct b.barname, c.beername, c.beerTransID, d.food, d.foodTransID, e.beverages,
e.beverageTransID
      from bars as b
      join (select beername, beerTransID
            from items
            order by rand()
            limit 10) as c
      join (select food, foodTransID
            from items
            order by rand()
            limit 10) as d
      join (select beverages, beverageTransID
```

```
from items
order by rand()
limit 10) as e
order by rand()
limit 10);
```

```
insert into frequents(drinkername, barname)
```

```
(select a.drinkername, b.barname
      from drinkers as a
join(select barname
      from bars b
order by rand()
limit 1) as b
order by rand()
limit 1);
```

```
insert into bills(barname, beername, beerTransID, beerprice, beverages, beverageTransID,
bevprice, food, foodTransID, foodprice)
```

```
(select barname, beername,beerTransID, beerprice, beverages, beverageTransID, bevprice, food,
foodTransID, foodprice
      from sells
order by rand()
limit 3);
```

```
insert into likes(drinkername, beverages, food)
```

```
(select b.drinkername, c.beverages, d.food
      from drinkers as b
join (select beverages
      from items
order by rand()
limit 5) as c
join (select food
```

```
from items
order by rand()
limit 5) as d
order by rand()
limit 5);
```