Aditya Jani
Cs336 Databases Constraints

```sql
create database BDD;
use BDD;

CREATE TABLE Drinker (
DrinkerName VARCHAR(100) PRIMARY KEY NOT NULL,
DrinkerPhone VARCHAR(50),
DrinkerState VARCHAR(2)
);

CREATE TABLE Bar (
BarName VARCHAR(100) PRIMARY KEY NOT NULL,
BarState VARCHAR(2)
);

CREATE TABLE Beer(
BeerName VARCHAR(100) PRIMARY KEY NOT NULL,
BeerManuf VARCHAR(50)
);

CREATE TABLE Frequents(
BarName VARCHAR(100),
DrinkerName VARCHAR(100),
FOREIGN KEY (BarName) REFERENCES Bar(BarName),
FOREIGN KEY (DrinkerName) REFERENCES Drinker(DrinkerName)
);

CREATE TABLE Likes(
DrinkerName VARCHAR(100),
BeerName VARCHAR(100),
FOREIGN KEY (DrinkerName) REFERENCES Drinker(DrinkerName),
FOREIGN KEY (BeerName) REFERENCES Beer(BeerName)
);

CREATE TABLE Bills (
bill_id VARCHAR(100) PRIMARY KEY NOT NULL,
bar_name VARCHAR(100),
bill_date DATE,
drinker_name VARCHAR(100),
items_price FLOAT,
tax_price FLOAT,
tip FLOAT,
```

```sql
total_price FLOAT,
bill_time TIME,
bartender VARCHAR(25),
day VARCHAR(11),
FOREIGN KEY (bar_name) REFERENCES Bar(BarName),
FOREIGN KEY (drinker_name) REFERENCES Drinker(DrinkerName)
);


CREATE TABLE Transactions(
bill_id VARCHAR(100),
quantity INT,
item VARCHAR(100),
type VARCHAR(15),
price FLOAT,
FOREIGN KEY (bill_id) REFERENCES Bills(bill_id)
);

Create Table Operates(
BarName VARCHAR(50),
OperateDay VARCHAR(50),
OperateStart TIME,
OperateEnd TIME,
FOREIGN KEY (BarName) REFERENCES Bar(BarName)
);

Create Table SellsBeer(
BarName VARCHAR(50),
BeerName VARCHAR(50),
Price float,
FOREIGN KEY (BarName) REFERENCES Bar(BarName),
FOREIGN KEY (BeerName) REFERENCES Beer(BeerName)
);

Create Table BarFood(
FoodName VARCHAR(100) Primary Key not NULL
);

Create Table SellsFood(
BarName VARCHAR(100),
FoodName VARCHAR(100),
Price float,
FOREIGN KEY (BarName) REFERENCES Bar(BarName),
FOREIGN KEY (FoodName) REFERENCES BarFood(FoodName)
```

);