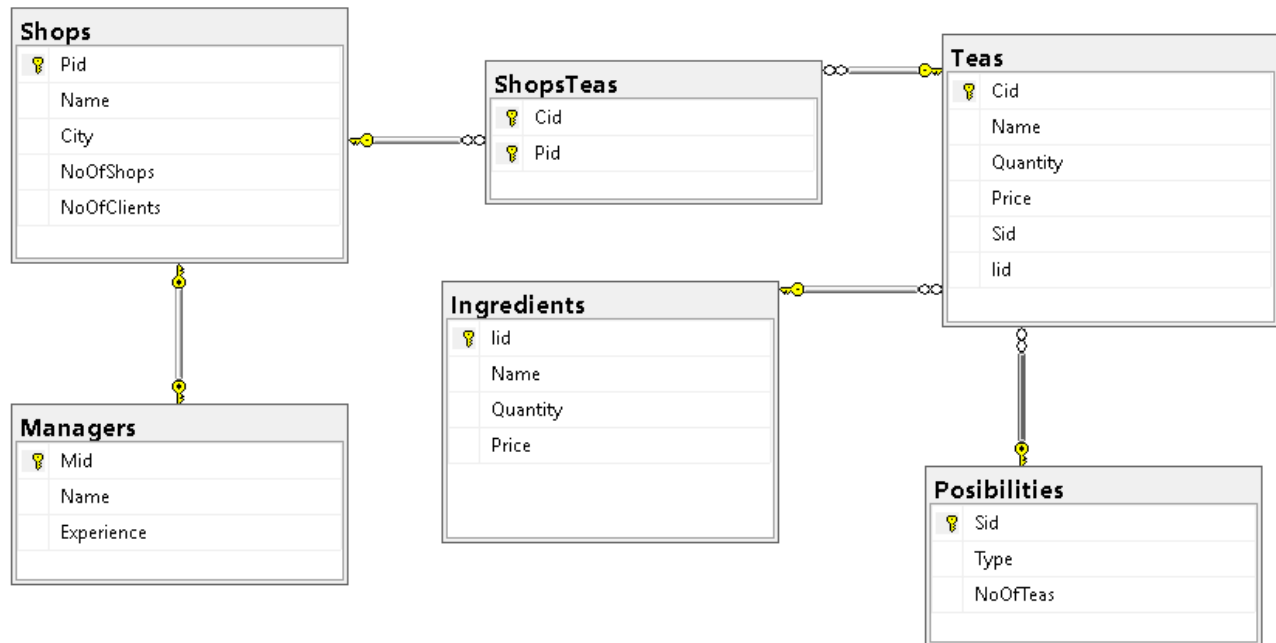


Create tables

We want to implement a system that keeps information about teas and shops. Each shop is characterized by name, city, number of shops, number of clients and one manager. Each tea is characterized by name, quantity, price, possibility and ingredient. The possibility has a type and a number of teas that can be included there. The ingredient has a name, a quantity and a price. The ingredient can be used in 1 or more teas. In a possibility are 1 or more teas. A tea can be found in 1 or more shops and in a shop one can find 1 or more teas. A shop has only one manager and a manager works for only one shop.



```
Create database Example_Lab1
```

```
GO
```

```
use Example_Lab1
```

```
GO
```

```
CREATE TABLE Shops
```

```
(Pid INT PRIMARY KEY IDENTITY,
```

```
Name varchar(50),
```

```
City varchar(50) NOT NULL,
```

```
NoOfShops int,
```

```
NoOfClients int)
```

```
CREATE TABLE Possibilities
```

```
(Sid INT PRIMARY KEY IDENTITY,
```

```
Type varchar(50) DEFAULT 'Mint',
```

```
NoOfTeas int)
```

```
CREATE TABLE Ingredients
(lid INT PRIMARY KEY IDENTITY,
Name varchar(50),
Quantity int DEFAULT 1,
Price int)
```

```
CREATE TABLE Teas
(Cid INT PRIMARY KEY IDENTITY,
Name varchar(50),
Quantity int,
Price int,
Sid int FOREIGN KEY REFERENCES Possibilities(Sid),
Iid int FOREIGN KEY REFERENCES Ingredients (Iid)
)
```

```
CREATE TABLE ShopsTeas
(Cid INT FOREIGN KEY REFERENCES Teas(Cid),
Pid INT FOREIGN KEY REFERENCES Shops(Pid),
CONSTRAINT pk_Teas PRIMARY KEY (Cid, Pid)
)
```

```
CREATE TABLE Managers
(Mid INT FOREIGN KEY REFERENCES Shops(Pid),
Name varchar(50) NOT NULL,
Experience INT,
CONSTRAINT pk_ShopsManagers PRIMARY KEY (Mid)
)
```