

### 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 and type. The type has a type name and a number of teas that can be included there. In a type there 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 manager has a name and an experience. A shop has only one manager and a manager works for only one shop.



```
Create database TeaShops
```

```
go
```

```
use TeaShops
```

```
go
```

```
CREATE TABLE Shops
```

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

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

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

```
NoOfShops int,
```

```
NoOfClients int)
```

```
CREATE TABLE TeaTypes
```

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

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

```
NoOfTeas int)
```

```
CREATE TABLE Teas
```

```
(Cid INT PRIMARY KEY IDENTITY,
```

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

```
Quantity int CHECK (Quantity=1 OR Quantity=2),
```

```
Price int,
```

```
Sid int FOREIGN KEY REFERENCES TeaTypes(Sid))
```

```
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)
)

-- DROP DATABASE TeaShops
```