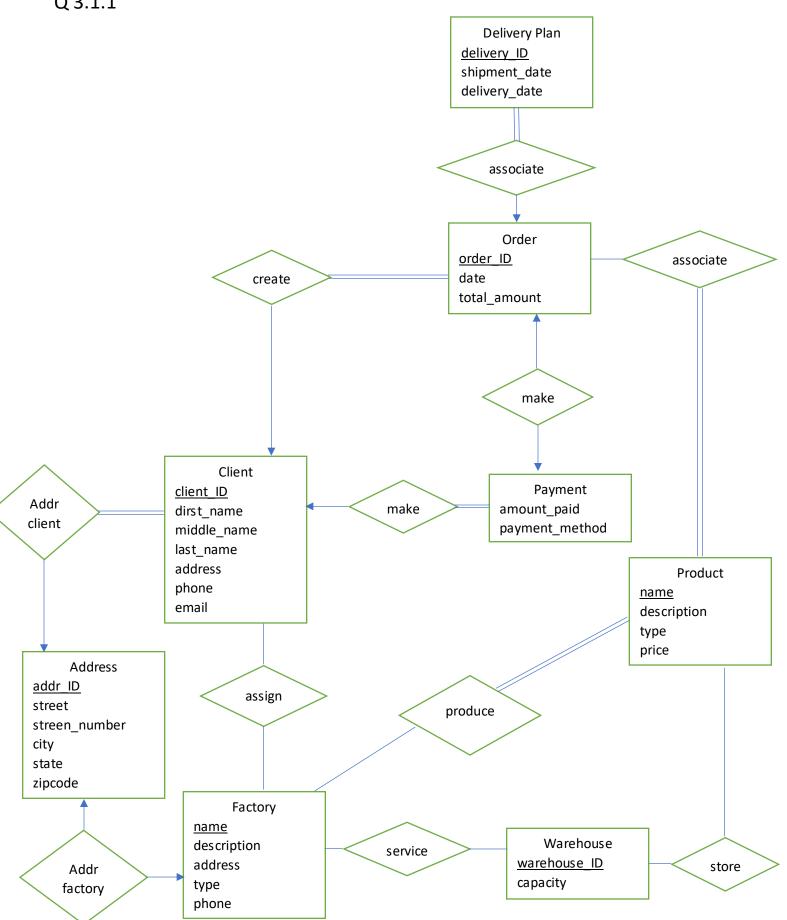
Homework 3





Q 3.2.1

Step 1:

```
Create table A (
a2 int,
a3 int,
a11 int,
a12 int,
primary key (a11, a12)
)
Create table B (
b1 int,
b2 int,
primary key (b1, b2)
)
Create table C (
c2 int primary key,
c11 int,
c12 int
)
Create table E (
e1 int primary key,
e2 int
)
Step2:
Create table A (
a2 int,
a3 int,
a11 int,
a12 int,
primary key (a11, a12)
Create table B (
b1 int,
b2 int,
primary key (b1, b2)
```

```
Create table C (
c2 int primary key,
c11 int,
c12 int
)
Create table D (
d1 int,
a1 int references A,
primary key (d1, a1)
Create table E (
e1 int primary key,
e2 int
)
Step 3:
Create table A (
a2 int,
a3 int,
a11 int,
a12 int,
primary key (a11, a12)
)
Create table B (
b1 int,
b2 int,
primary key (b1, b2)
Create table B2 (
b1 int,
b2 int,
b3 int,
primary key (b1, b2, b3),
foreign key (b1, b2) references B
Create table C (
c2 int primary key,
c11 int,
c12 int
)
```

```
Create table D (
d1 int,
a1 int references A,
primary key (d1, a1)
Create table E (
e1 int primary key,
e2 int
)
Step 4:
Create table A (
a2 int,
a3 int,
a11 int,
a12 int,
primary key (a11, a12)
)
Create table B (
b1 int,
b2 int,
a11 int,
a12 int,
primary key (b1, b2),
foreign key (a11, a12) references A
)
Create table B2 (
b1 int,
b2 int,
b3 int,
primary key (b1, b2, b3),
foreign key (b1, b2) references B
Create table C (
c2 int primary key,
c11 int,
c12 int
)
Create table D (
d1 int,
a1 int references A,
primary key (d1, a1)
)
```

```
Create table E (
e1 int primary key,
e2 int
)

Create table Z (
c2 int,
b1 int,
b2 int,
e1 int,
primary key (b1, b2, c2, e1),
foreign key (e1) references E,
foreign key (b1, b2) references B,
)
```

Q 3.2.2

- 1. 1NF, 2NF
- 2. 1NF, 2NF
- 3. 1NF, 2NF
- 4. 1NF, 2NF, 3NF, BCNF