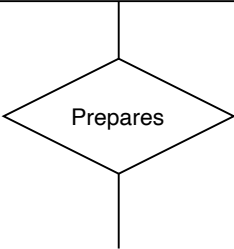
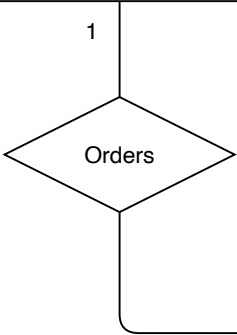


Customer	
PK	<u>customerID int NOT NULL</u>
	customerName char(50)
	address char(50)
	phone char(10)

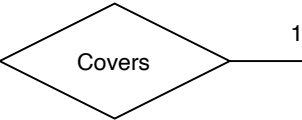
Baker	
PK	<u>employeeID int NOT NULL</u>
	employeeName char(50)
	Salary int
	yearsExperience int



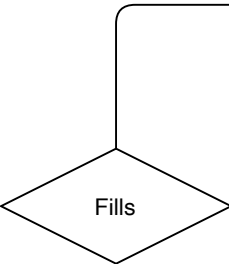
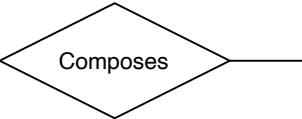
WeddingCake	
PK	<u>orderID int NOT NULL</u>
FK1	customerID int NOT NULL
FK2	employeeID int NOT NULL
	numTiers int
	difficulty int
	orderedDate Date NOT NULL
	deliveryDate Date NOT NULL
	price Decimal(6, 2) NOT NULL

Tier	
PK	<u>tierID int NOT NULL</u>
FK1	orderID int NOT NULL
FK2	icingFlavor char(20) NOT NULL
FK3	cakeFlavor char(20) NOT NULL
	size int NOT NULL
	shape char(20)

Icing	
PK	<u>icingFlavor char(20) NOT NULL</u>
	color char(20)
	price Decimal(6, 2) NOT NULL



Cake	
PK	<u>cakeFlavor char(20) NOT NULL</u>
FK	fillingFlavor char(20) NOT NULL
	price Decimal(6, 2) NOT NULL



Filling	
PK	<u>fillingFlavor char(20) NOT NULL</u>
	price Decimal(6, 2) NOT NULL

Customer(customerID, customerName, address, phone)  
Baker(employeeID, employeeName, Salary, yearsExperience)  
WeddingCake(orderID, customerID, employeeID, numTiers, experienceRequired, orderedDate, deliveryDate,  
price)  
Tier(tierID, orderID, icingFlavor, cakeFlavor, size, shape)  
Icing(icingFlavor, color, price)  
Cake(cakeFlavor, fillingFlavor, price)  
Filling(fillingFlavor, price)

```
mysql> create database WeddingOrders;  
Query OK, 1 row affected (0.01 sec)
```

```
mysql> use WeddingOrders;  
Database changed  
mysql> create table Customer(  
-> customerID int primary key not null auto_increment,  
-> customerName char(50),  
-> address char(50),  
-> phone char(10)  
-> );  
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> create table Baker(  
-> employeeID int primary key not null auto_increment,  
-> employeeName char(50),  
-> salary int,  
-> yearsExperience int  
-> );  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> create table WeddingCake(  
-> orderID int primary key not null auto_increment,  
-> customerID int not null,  
-> employeeID int not null,  
-> numTiers int,  
-> experienceRequired int,  
-> orderedDate date not null,  
-> deliveryDate date not null,  
-> price decimal(6, 2) not null,  
-> foreign key (customerID) references Customer(customerID),  
-> foreign key (employeeID) references Baker(employeeID)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table Icing(  
-> icingFlavor char(20) primary key not null,  
-> color char(20),  
-> price decimal(6, 2) not null  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table Filling(  
-> fillingFlavor char(20) primary key not null,  
-> price decimal(6, 2) not null  
-> );
```

```

-> fillingFlavor char(20) primary key not null,
-> price decimal(6, 2) not null
-> );

```

Query OK, 0 rows affected (0.01 sec)

```

mysql> create table Cake(
-> cakeFlavor char(20) primary key not null,
-> fillingFlavor char(20) not null,
-> price decimal(6, 2) not null,
-> foreign key (fillingFlavor) references Filling(fillingFlavor)
-> );

```

Query OK, 0 rows affected (0.01 sec)

```

mysql> create table Tier(
-> tierID int primary key not null auto_increment,
-> orderID int not null,
-> icingFlavor char(20) not null,
-> cakeFlavor char(20) not null,
-> size int not null,
-> shape char(20)
-> , foreign key (orderID) references WeddingCake(orderID),
-> foreign key (icingFlavor) references Icing(icingFlavor),
-> foreign key (cakeFlavor) references Cake(cakeFlavor)
-> );

```

Query OK, 0 rows affected (0.02 sec)

```
mysql> show tables;
```

Tables_in_weddingorders
Baker
Cake
Customer
Filling
Icing
Tier
WeddingCake

7 rows in set (0.00 sec)

```
mysql> describe baker;
```

Field	Type	Null	Key	Default	Extra
employeeID	int	NO	PRI	NULL	auto_increment
employeeName	char(50)	YES		NULL	
salary	int	YES		NULL	
yearsExperience	int	YES		NULL	

4 rows in set (0.00 sec)

```
mysql> describe cake;
```

Field	Type	Null	Key	Default	Extra
cakeFlavor	char(20)	NO	PRI	NULL	

fillingFlavor	char(20)	NO	MUL	NULL	
price	decimal(6,2)	NO		NULL	

3 rows in set (0.00 sec)

mysql> describe customer;

Field	Type	Null	Key	Default	Extra
customerID	int	NO	PRI	NULL	auto_increment
customerName	char(50)	YES		NULL	
address	char(50)	YES		NULL	
phone	char(10)	YES		NULL	

4 rows in set (0.00 sec)

mysql> describe filling;

Field	Type	Null	Key	Default	Extra
fillingFlavor	char(20)	NO	PRI	NULL	
price	decimal(6,2)	NO		NULL	

2 rows in set (0.00 sec)

mysql> describe icing;

Field	Type	Null	Key	Default	Extra
icingFlavor	char(20)	NO	PRI	NULL	
color	char(20)	YES		NULL	
price	decimal(6,2)	NO		NULL	

3 rows in set (0.00 sec)

mysql> describe tier;

Field	Type	Null	Key	Default	Extra
tierID	int	NO	PRI	NULL	auto_increment
orderID	int	NO	MUL	NULL	
icingFlavor	char(20)	NO	MUL	NULL	
cakeFlavor	char(20)	NO	MUL	NULL	
size	int	NO		NULL	
shape	char(20)	YES		NULL	

6 rows in set (0.00 sec)

mysql> describe weddingcake;

Field	Type	Null	Key	Default	Extra
orderID	int	NO	PRI	NULL	auto_increment
customerID	int	NO	MUL	NULL	
employeeID	int	NO	MUL	NULL	
numTiers	int	YES		NULL	

experienceRequired	int	YES		NULL	
orderedDate	date	NO		NULL	
deliveryDate	date	NO		NULL	
price	decimal(6,2)	NO		NULL	

8 rows in set (0.00 sec)

```
mysql> insert into customer values (1, 'Jane Doe', '456 sunset st', '2464210874'
);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into baker values (1, 'Charlie Johnson', 68000, 12);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into weddingcake values (1, 1, 1, 4, 8, '2016-06-09', '2016-11-04',
853.99);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select * from customer;
```

customerID	customerName	address	phone
1	Jane Doe	456 sunset st	2464210874

1 row in set (0.00 sec)

```
mysql> select * from baker;
```

employeeID	employeeName	salary	yearsExperience
1	Charlie Johnson	68000	12

1 row in set (0.00 sec)

```
mysql> select * from weddingcake;
```

orderID	customerID	employeeID	numTiers	experienceRequired	orderedDate	deliveryDate	price
1	1	1	4	8	2016-06-09	2016-11-04	853.99

1 row in set (0.00 sec)