

```
use shop;
```

```
create table customers (  
    customer_id int primary key auto_increment,  
    name varchar(100) not null,  
    email varchar(100) unique not null,  
    city varchar(50),  
    signup_date date not null  
);
```

```
create table orders (  
    order_id int primary key,  
    customer_id int,  
    order_date date not null,  
    total_amount decimal(10,2),  
    constraint fk_orders_customer foreign key (customer_id) references customers(customer_id)  
);
```

```
create table products (  
    product_id int primary key,  
    product_name varchar(100) not null,  
    category varchar(50),  
    price decimal(10,2)  
);
```

```
create table order_details (  
    order_detail_id int primary key,  
    order_id int,  
    product_id int,  
    quantity int not null,  
    price decimal(10,2) not null check (price >= 0),  
    constraint fk_order_details_order foreign key (order_id) references orders(order_id),  
    constraint fk_order_details_product foreign key (product_id) references products(product_id)  
);
```

```
create index idx_orders_orderdate on orders(order_date);  
create index idx_customers_city on customers(city);  
create index idx_products_category on products(category);
```