

Select two of your classes and translate them to database tables (or a file structure if you prefer, but db tables are easier (to me at least)) -> Data Persistence.

Answer:

Below are the product, OrderItems, Orders table creation,

```
CREATE TABLE Products (  
  product_id INT AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(255) NOT NULL,  
  description TEXT,  
  price DECIMAL(10, 2) NOT NULL,  
  stock_quantity INT NOT NULL  
);  
  
CREATE TABLE OrderItems (  
  order_item_id INT AUTO_INCREMENT PRIMARY KEY,  
  order_id INT NOT NULL,  
  product_id INT NOT NULL,  
  quantity INT NOT NULL,  
  price DECIMAL(10, 2) NOT NULL,  
  Foreign Key (order_id) References Orders(order_id)  
  Foreign Key (product_id) References Products(product_id))  
};  
  
CREATE TABLE Orders (  
  order_id INT AUTO_INCREMENT PRIMARY KEY,  
  customer_id INT,  
  order_date DATE,  
  total_amount DECIMAL(10, 2),  
  status VARCHAR(20),  
  FOREIGN KEY (customer_id) REFERENCES Users(id)  
);
```

Db Diagram:

