```
public class Customer {
private Long id;
private String name;
private Integer tier;
}
public class Order {
private Long id;
private LocalDate orderDate;
private LocalDate deliveryDate;
private String status;
//@ManyToOne
private Customer customer;
Set<Product> products;
}
public class Product {
private Long id;
private String name;
private String category;
private Double price;
//@ManyToMany(mappedBy = "products")
private Set<Order> orders;
```

Exercise 1 — Obtain a list of products belongs to category "Books" with price > 100

Exercise 2 — Obtain a list of order with products belong to category "Baby"

Exercise 3 — Obtain a list of product with category = "Toys" and then apply 10% discount

Exercise 4 — Obtain a list of products ordered by customer of tier 2 between 01-Feb-2021 and 01-Apr-2021

Exercise 5 — Get the cheapest products of "Books" category

Exercise 6 — Get the 3 most recent placed order

Exercise 7 — Get a list of orders which were ordered on 15-Mar-2021, log the order records to the console and then return its product list

Exercise 8 — Calculate total lump sum of all orders placed in Feb 2021

Exercise 9 — Calculate order average payment placed on 14-Mar-2021

Exercise 10 — Obtain a collection of statistic figures (i.e. sum, average, max, min, count) for all products of category "Books"

Exercise 11 — Obtain a data map with order id and order's product count

Exercise 12 — Produce a data map with order records grouped by customer

Exercise 13 — Produce a data map with order record and product total sum

Exercise 14 — Obtain a data map with list of product name by category

Exercise 15 — Get the most expensive product by category

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