

1. Employee Management System

The Employee Management System is designed for an organization to process and manage its employee data efficiently. The system filters, sorts, and maps employee data to find specific information. The goal is to identify high-performing employees, calculate their bonuses, and display the top 3 employees with the highest salaries in the organization. Operations Used:

- filter()
- map()
- sorted()
- limit()
- collect()

Link to Program:

<https://github.com/RJOlmedo/academiaJavaXideral/blob/main/semana2/employeeManagement.java>

2. Product Catalog System

The Product Catalog System allows a company to manage its product inventory by categorizing, filtering, and applying discounts. The goal is to find all electronic products that cost more than \$500, apply a 10% discount to them, sort them by price in ascending order, and list the top 5 products. Operations Used:

- flatMap()
- filter()
- map()
- sorted()
- limit()

Link to Program:

<https://github.com/RJOlmedo/academiaJavaXideral/blob/main/semana2/productCatalog.java>