# COMP250 - SortMyObject.java

**Purpose**: Describing your own objects and implementing a Comparator from a Comparable Class to sort a list of your objects through varying properties.

**Instruction**:

Your first task is to select one of the below categories:

1. Television Shows/Series
2. Species of a Chosen Animal/Plant
3. Occupations of Computer Engineering/Science
4. Grocery Produce
5. Specifications for Computer Peripherals

Your second task is to design fields you wish to describe the Class objects. Below are a few options you may utilize, or come up with your own

1. Television Shows/Series

Name, Date Started, Date Ended, isActive (for a show that may still be airing new episodes)

Scrubs, October 2001, March 2010, False

1. Species - Felines

Species, Minimum Lifespan (in years), Maximum Lifespan (in years), Average (in years), isEndangered

Tiger, 8, 10, 9, True

1. Occupations (https://roadmap.sh/backend or https://roadmap.sh/frontend)

Occupation Label, Average Annual Salary in Ohio

Cyber Security Professional, 94,220

1. Grocery Store:

Produce Label, Average Cost, Average Shelf Life (in days)

Oranges, 1.09, 7

1. Specifications Sheet for Monitors:

Manufacturer, Model, Screen Size (diagonal), Cost (New)

Benq, EX240, 24 inches, $239

Continue to implement a **Main.java as the Driver** that performs the following:

1. After defining your fields (or using the ones provided above), create 5-10 Class objects and add them to an ArrayList of <Your Class Object>
2. Print out the ArrayList
3. Utilize a Comparator from the Comparable Class to sort the ArrayList from one field.
4. Print out the newly sorted ArrayList
5. Utilize a Comparator from the Comparable Class to sort the Arraylist from another field.
6. Print out the newly sorted ArrayList