**8.11- Exercise – Object**

**Exercise**

Add and Test Methods in the Employee Classes

**Task**

1. Add a method displayDetails() in the Employee class that prints: "Employee Name: [name], Age: [age]".
2. Add a method calculateYearsUntilRetirement(int retirementAge) in the Employee class that calculates and returns the number of years left until retirement.
3. Update the MainClass to call displayDetails() and calculateYearsUntilRetirement() for both Employee and experiencedEmployee objects, printing the results.

**Hints**

* calculateYearsUntilRetirement(int retirementAge) should subtract the age from retirementAge and return the result.
* Ensure the displayDetails() method accesses and formats the name and age fields.
* Update the MainClass to print statements like: "Years until retirement: [years]" for the calculateYearsUntilRetirement() method call.

**Explanation**

This exercise helps you practice method creation and overriding, as well as using parent class methods in subclasses. By adding displayDetails() and calculateYearsUntilRetirement(), you gain experience with methods that process and output information. This reinforces your understanding of inheritance and how to extend and use base class features in derived classes.