**8.5- Exercise – Office**

**Exercise**

Explore Object References and Mutability in Java

**Task**

1. Analyze how object references work in Java by adding an equals() method in the Office class to compare office names.
2. Create a method displayOfficeDetails() in the Office class to print a message: "Office Name: [name]".
3. Update MainClass to call displayOfficeDetails() and use the equals() method to check if myOffice and anotherOffice have the same name after modifications.

**Hints**

* Implement public boolean equals(Office otherOffice) in the Office class to compare the name field of the current and otherOffice instances.
* The displayOfficeDetails() method should use System.out.println() to display the office name.
* In MainClass, use myOffice.equals(anotherOffice) to print a statement indicating whether the two office objects have the same name.

**Explanation**

This exercise deepens your understanding of how object references work and highlights the differences between assigning references and creating new objects. By implementing an equals() method, you will practice comparing objects in Java. The displayOfficeDetails() method will reinforce your understanding of encapsulation and method creation in classes.