

Classroom Assignment <1>: Demonstrating Inheritance in Java

Learning Objective:

To understand and implement the concept of **inheritance in Java** by creating a superclass and a subclass which inherits the methods of the superclass.

Expected Completion Time:

Best Case: 15 minutes

Average Case: 20 minutes

Assignment Details:

- Create a superclass with methods
- Then create a subclass that inherits from the superclass

Requirements:

- Create a superclass as **TestData**.
Implement 2 methods: **enterCredentials()**, **navigateToHomePage()** in the TestData class.
- Create subclasses and create 2 methods in each
LoginTestData
 - enterUsername()
 - enterPassword()
- Demonstrate the concept by creating objects for both classes and calling their methods.

Hints to Solve:

- Use the 'extends' keyword to extend one class with another class
- Initialize objects using the new keyword and test the functionality by calling the methods.

Reference Links:

Inheritance in Java - [Oracle Docs](#)

Expected Outcome:

Upon completion, you should be able to:

- Grasp the fundamentals of inheritance in Java.
- Create a subclass that inherits attributes and methods from a superclass.