

Assignment(4)

Lab4 Assignment 1:

Please download the code([BankAccount.txt](#), [BankApp.txt](#)) and make some changes on the code as follow:

- 1-make balance as private and create methods for set and get the balance
 - 2-define 3 objects, make credit and debit for each object and print the info (as I did in the code)
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Lab4 Assignment 2:

Assignment: Creating a Person Class in Java:

Objectives:

- Understand and implement Java classes
- Learn about constructors, encapsulation, and methods (getters and setters)
- Practice creating and using objects in Java

Task Overview:

You are required to create a Person class that represents a person with a name, age, nationality, and phone number. You will:

- Define the Person class with private attributes
- Write constructors to initialize the attributes
- Provide getter and setter methods to access and modify the attributes
- Write a method to display the person's details
- Test your class in the main method

Requirements:

1.Attributes (Fields):

- Private field name of type String
- Private field age of type int
- Private field nationality of type String
- Private field phone of type int

2.Constructors:

- A constructor that accepts two parameters: name and age to initialize the object
- A constructor that accepts four parameters: name, age, nationality, and phone to initialize the object

3.Methods:

- Getter for name: getName() that returns the value of name
- Setter for name: setName(String name) that modifies the value of name
- Getter for age: getAge() that returns the value of age
- Setter for age: setAge(int age) that modifies the value of age
- Getter for nationality: getNationality() that returns the value of nationality
- Setter for nationality: setNationality(String nationality) that modifies the value of nationality
- Getter for phone: getPhone() that returns the value of phone
- Setter for phone: setPhone(int phone) that modifies the value of phone
- A method printPersonDetails() that prints all person's info in a sentence like:
"Name: Ali, Age: 25, Nationality: Sudanese, Phone: 0900000000"

4.Main Method:

- Create an object of the Person class
- Use the constructor to initialize the object
- Use the getter methods to print the name, age, nationality, and phone
- Use the setter methods to modify the name, age, nationality, and phone
- Use the printPersonDetails() method to display the updated information