**OOPS: Online Banking System**

This project helps to design a simplified Online Banking System to practice encapsulation in Java. The system contains basic functionality of a bank account, including account creation, balance checking, deposit, and withdrawal operations, while ensuring proper encapsulation of sensitive data.

**Account Class:**

Create an Account class to represent a bank account.

Include private attributes such as accountNumber, balance, customerName, and pin.

**Constructor and Getters/Setters:**

Implement a parameterized constructor to initialize the account attributes.

Provide getters and setters for the attributes to ensure encapsulation.

**Encapsulation:**

Ensure that the accountNumber and pin attributes are private and can only be accessed via appropriate getter and setter methods.

Implement validation checks in the setter methods for balance, customerName, and pin.

**Operations:**

Implement methods to perform the following operations:

* Check balance
* Deposit money
* Withdraw money

**Security:**

Implement security measures such as requiring a PIN for deposit and withdrawal operations.

Ensure that the account number and PIN are not exposed directly to the user.

**Demo Application:**

Create a demo application to demonstrate the functionality of the Account class.

Allow users to create accounts, check balance, deposit, and withdraw money using the provided methods.