

Week 10 : SPOT:

Create an abstract class called Account that has datamembers: accno(int), accname(String) and balance(double). The member methods are: parameterized constructor, abstract methods : void deposit(double amt) and double withdraw(double amt)

Derive two classes from class Account: SavingsAccount and CheckingsAccount. The members of SavingsAccount are noofTransactions(int), parameterized constructor, overridden methods deposit(double amt) that increments balance with amt, withdraw(double amt) that decrements the balance by amt and noofTransactions is incremented by 1 inside deposit() and withdraw().The members of CheckingAccount are parameterized constructor, overridden methods deposit(double amt) that increments balance with amt,withdraw(double amt) that decrements the balance by amt only if the balance is above 1000 after decrementation.

Modify the SavingsAccount such that the deposit and withdrawal are synchronised