

## 4/8 – CS 312 Section Problem Solution

```
public class BankAccount {

    private int accountNumber;
    private double balance;

    public BankAccount(int accountNumber, double initialBalance) {
        this.accountNumber = accountNumber;
        balance = initialBalance;
    }

    public void deposit(double amount) {
        balance += amount;
    }

    public void withdraw(double amount) {
        if (balance >= amount) {
            balance -= amount;
        } else {
            System.out.println("Insufficient funds");
        }
    }

    public double getBalance() {
        return balance;
    }
}

public class SavingsAccount extends BankAccount {

    public SavingsAccount(int accountNumber, double initialBalance) {
        super(accountNumber, initialBalance);
    }

    public void withdraw(double amount) {
        if (getBalance() - amount >= 100) {
            super.withdraw(amount);
        } else {
            System.out.println("Insufficient funds");
        }
    }
}
```