

4/8 – CS 312 Section Problem

Create a class called `BankAccount`. When a `BankAccount` object is created, the user must provide an integer `accountNumber` and a double `initialBalance` as parameters. The `BankAccount` class should have the following methods:

Method	Behavior
<code>deposit(double amount)</code>	Add the specified amount of money to the account (increase this <code>BankAccount</code> 's balance).
<code>withdraw(double amount)</code>	Take the specified amount of money out of the account (decrease this <code>BankAccount</code> 's balance). Do not allow a withdrawal (do nothing) if a <code>BankAccount</code> 's balance is less than the <code>amount</code> parameter.
<code>getBalance()</code>	Return this <code>BankAccount</code> 's balance.

In addition, create a class called `SavingsAccount` that should be instantiated the same way (with the same parameters) as `BankAccount` objects are. The `SavingsAccount` class should have the following methods:

Method	Behavior
<code>deposit(double amount)</code>	Add the specified amount of money to the account (increase this <code>SavingsAccount</code> 's balance).
<code>withdraw(double amount)</code>	Take the specified amount of money out of the account (decrease this <code>SavingsAccount</code> 's balance). Do not allow a withdrawal (do nothing) if a <code>SavingsAccount</code> 's balance is less than the <code>amount</code> parameter. In addition, do not allow a withdrawal if it would cause the account's balance to fall below \$100.
<code>getBalance()</code>	Return this <code>SavingsAccount</code> 's balance.

Make sure to follow good object oriented practices when completing the two classes!

Enjoy the eclipse!