```
File: BankAccount.java
   Project: BankAccount
   Description: This is part one of Lab3. Its job is to provide methods
                and varibles.
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   Date: 2-23-15
   Comments: Specs were a little hard to follow. Not sure if I am
             testing the right things in main.
public class BankAccount
{
       /*** Constants ***/
       private final double BALANCE = 0;
       private final double INTEREST_RATE = 2;
       /*** Constructors ***/
       public BankAccount() //Parameterless Constuctor
           private double balance, begBalance = BALANCE;
           private double interestRate = INTEREST_RATE;
           private double interest = 0;
       }
       public BankAccount( double balance, double interestRate )
           this.balance = balance;
           this.begBalance = balance;
           this.interestRate = interestRate;
       }
       public BankAccount( double balance )
           this.balance = balance;
           this.begBalance = balance;
           this.interestRate = INTEREST RATE;
       /*** Class Methods -- Accessors ***/
       public double getInterestRate()
       {
           return this.interestRate;
       public double getInterest()
       {
           return this.interest;
       public double getBalance()
       {
           return this.balance;
       public double getbegBalance()
           return this.begBalance;
```

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}
       @Override
       public String toString()
           return "
                          Beginning Balance: $" + this.getbegBalance() + " Interest Rate: " +
this.getInterestRate() + "%";
       /*** Mutators/transformers ***/
       public void deposit( double amount )
           this.balance += amount;
       }
       public void withdraw( double amount )
       {
           this.balance -= amount;
       }
       public void addInterest()
           this.interest = this.balance * ( this.interestRate / 1200 );
           this.balance = this.balance + this.interest;
       }
       /*** Application ***/
       public static void main( String[] args )
           /*** Local Variable ***/
           String space = "
           /*** Instantiate objects ***/
           BankAccount test = new BankAccount(500, 2);
           /*** Prints Test objects ***/
           System.out.println( "\n-----\n");
           System.out.println( space + "Balance: $" + test.getBalance() );
           test.deposit(20);
           System.out.println( space + "Deposit: $" + test.getBalance() );
           test.withdraw(10);
           System.out.println( space + "Withdrawal: $" + test.getBalance() );
           System.out.println( space + "Interest: " + test.getInterestRate() + "%" );
           System.out.println( space + "toString(): \n" );
           System.out.println( test.toString() );
       }
}
```