```java
 * @author zwelihle
 */
public class Account {

        Account account = new Account(1122, 20000);

        account.setAnnualInterestRate(4.5);

        account.withdraw(2500.0);

        account.deposit(3000.0);

        System.out.println("Balance: $" + account.getBalance());

        System.out.println("Monthly Interest: " + account.getMonthlyInterest());

        System.out.println("Date Created: " + account.getDateCreated());


    }

 }


 class Account {

    private int id = 0;

    private double balance = 0.0;

    private static double annualInterestRate = 0.0;

    private java.util.Date dateCreated;


    public Account() {

        dateCreated = new java.util.Date();

    }


    public Account(int id, double balace) {

        this();

        this.id = id;

        this.balance = balance;
```

```java
    }


    public int getId() {

        return this.id;

    }


    public double getBalance() {

        return this.balance;

    }


    public double getAnnualInterestRate() {

        return annualInterestRate;

    }


    public String getDateCreated() {

        return this.dateCreated.toString();

    }


    public void setId(int id) {

        this.id = id;

    }


    public void setBalance(double balance) {

        this.balance = balance;

    }


    public void setAnnualInterestRate(double annualInterestRate) {

        this.annualInterestRate = annualInterestRate;
```

```java
    }


    public double getMonthlyInterestRate() {

        return (annualInterestRate / 100) / 12 ;

    }


    public double getMonthlyInterest() {

        return balance * getMonthlyInterestRate();

    }


    public void withdraw(double amount) {

        this.balance -= amount;

    }


    public void deposit(double amount) {

        this.balance += amount;

    }
}
```

private String accountNumber;

private String fullName;

private String openDate;

private double balance;

public Account(String accNumber, String fullname, String Date,double accBalance)

```java
{

    this.accountNumber = accNumber;

    this.fullName = fullname;

    this.openDate = Date;

    this.balance = accBalance;

}


public void withdraw(double amount)

{

this.balance = this.balance - amount;

}


 public void deposit(double amount)

{

this.balance = this.balance + amount;

}



 public void transfer(Account a,double amount)

{

this.withdraw (amount);

a.deposit(amount);

}


 //get methods

 public String getAccountNumber()


 {  return this.accountNumber;
```

```java
    }


    public String getOpenDate()

    {  return this.openDate;


    }


    public String getFullName()

    {  return this.fullName;


    }



    public double getBalance()

    {

        return this.balance;



    }



    @Override
    public String toString()
    {
```

```
        return this.accountNumber;

    }




}
```