

ChequingAccount.java – First Part

```
ChequingAccount.java - Notepad
File Edit Format View Help
/** Application Purpose:
 * Author: Alex Dorodko
 * Date: 30/SEP/2020
 * Time: 12:17 PM
 */


//Declairing the class
public class ChequingAccount
{
    //Setting up the instance variables
    private String first;
    private String last;
    private double balance;
    private double accNumber;

    //Making the constructor with all of the instance variables
    public ChequingAccount(String first, String last, double balance, double accNumber)
    {
        this.first = first;
        this.last = last;
        this.balance = balance;
        this.accNumber = accNumber;
    }

    //Setting the setters for each of the 4 instance variables.
    public void setFirst(String first)
    {
        this.first = first;
    }

    public void setLast(String last)
    {
        this.last = last;
    }
}
```

ChequingAccount.java – Second Part

 ChequingAccount.java - Notepad

File Edit Format View Help

```
{
    this.last = last;
}

    public void setBalance(double balance)
    {
        this.balance = balance;
    }

    public void setAccNumber(double accNumber)
    {
        this.accNumber = accNumber;
    }

    //Setting the getters for each of the 4 instance variables.
    public String getFirst()
    {
        return first;
    }

    public String getLast()
    {
        return last;
    }

    public double getBalance()
    {
        return balance;
    }

        public double getAccNumber()
    {
        return accNumber;
    }
}
```

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ChequingAccountTestHarness.java

```

ChequingAccountTestHarness.java - Notepad
File Edit Format View Help
/** Application Purpose:
 * Author: Alex Dorodko
 * Date: 30/SEP/2020
 * Time: 11:28 PM
 */
//Challenge 2
//Declaring the class
public class ChequingAccountTestHarness
{
    //Adding the main method.
    public static void main(String[] args)
    {
        //Instigating the object and passing in the four arguments
        ChequingAccount customer1 = new ChequingAccount("Alex", "Keller", 999, 88004584);

        //Outputting the state elements with the appropriate labels.
        System.out.println("\nCustomer Information:\n\nFirst Name: " + customer1.getFirst() + "\nLast Name: " + customer1.getLast() + "\nAccount Balance: " + customer1.getBalance() + "\nAccount Number: " + Math.round(customer1.getAccNumber()) + "\n");

        //Challenge 3
        //Setting up the new 1st and last name
        customer1.setFirst("Cole");
        customer1.setLast("Phelps");

        //Outputting the new information
        System.out.println("\nUpdated Customer Information:\n\nFirst Name: " + customer1.getFirst() + "\nLast Name: " + customer1.getLast() + "\nAccount Balance: " + customer1.getBalance() + "\nAccount Number: " + Math.round(customer1.getAccNumber()) + "\n");
    }
}
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```

Final Output

```

Command Prompt
Microsoft Windows [Version 10.0.18363.1082]
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C:\Users\sh-al>cd Documents

C:\Users\sh-al\Documents>cd "Georgian College"

C:\Users\sh-al\Documents\Georgian College>cd "Programming Fundamentals"

C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals>cd week3

C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\week3>javac ChequingAccount.java

C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\week3>javac ChequingAccountTestHarness.java

C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\week3>java ChequingAccountTestHarness.java

Customer Information:

First Name: Alex
Last Name: Keller
Account Balance: 999.0
Account Number: 88004584

Updated Customer Information:

First Name: Cole
Last Name: Phelps
Account Balance: 999.0
Account Number: 88004584

C:\Users\sh-al\Documents\Georgian College\Programming Fundamentals\week3>

```