D#

1. Import java.math.*;

```
import java.math.*;
import java.util.*;
/**
 * Write a description of class Teller here.
 *
 * @author (Ahmad Fikri)
 * @version (12-maret-2016)
 */
```

2. Objek Account, saving

```
public static void main(String[] args){
    Customer c = new Customer (fname, lname, (new GregorianCalendar(2016, 03, 10).getTime
    System.out.println(c.getDateOfBirth());
    Account saving = new Account (1000.0);
```

3. Objek Account, invest

```
public static void main(String[] args){
    Customer c = new Customer (fname, lname, (new GregorianCalenda
    System.out.println(c.getDateOfBirth());
    Account saving = new Account (1000.0);
    Account invest = new Account (1000.0);
```

4. Objek Account, creditline

```
public static void main(String[] args){
    Customer c = new Customer (fname, lname, (new GregorianCalendar(
    System.out.println(c.getDateOfBirth());
    Account saving = new Account (1000.0);
    Account invest = new Account (1000.0);
    Account creditline = new Account (500.0);
```

5. Menghitung total dengan menggunakan BigDecimal

```
BigDecimal bd = new BigDecimal ("tabungan*sukubunga");
```

6. Suku bunga untuk 12 bulan

```
double amount = 0;
  for(int i = 0; i < 12; i++)
  {
     amount = (amount + Investment) * multiplier;
  }
DecimalFormat f = new DecimalFormat("$,###.00");
System.out.println("Amount: " + f.format(amount));
}
```

Atau dapat dimasukkan formula

```
double futureinvestment = investment * Math.pow(1+ interest,years*12));
DecimalFormat f = new DecimalFormat("$,###.00");
System.out.println("Amount: " + f.format(amount));
}
```

7. Finance charge dari creditline

```
public double getMonthlyPayment() {
    double monthlyInterestRate = annualInterestRate / 1200;
    double monthlyPayment = loanAmount * monthlyInterestRate / (1 -
    (Math.pow(1 / (1 + monthlyInterestRate), numberOfYears * 12)));
    return monthlyPayment;
}
```

```
** Menghitung total pembayaran */
public double getTotalAmount() {
    double totalAmount = getMonthlyPayment() * numberOfYears * 12;
    return totalPayment;
}
```

```
** kembali ke tanggal credit */
public java.util.Date creditLine() {
    return creditLine;
}
```