**Input:**

addHousehold {household\_name} {address}

setMilk {milk\_brand}

//The household and milk should be added(setted) before the following 3 operation.  
//Otherwise, the following operation should not be executed.

setHousehold {household\_name} {address}

setVacation {household\_name} {month} {date}

//setOrder operation is used to set the order of month for a household.   
//Ex. setOrder Mark milkA 5 3 /\* Mark order 5 liters milkA in March, but Mark did not order milkA in April.

setOrder {household\_name} {milk\_brand}  
 {number\_liters\_of\_milk} {month}

…

Date {month} {date}

**Daily milk order list format:**

/\*  
 \* When input Date {month} {date}  
 \*

**Output:**

/\*  
 \* When input Date {month} {date}, you need to print “daily milk order list” and “product summary.”  
 \* if the date is 30, you also need to print “print bill.”  
 \*/

//daily milk order list:

List:  
{household\_name} {address}  
{milk\_brand} {number}  
{milk\_brand} {number}  
…  
{household\_name} {address}  
{milk\_brand} {number}  
{milk\_brand} {number}  
…

// product summary:

Summary:  
{milk\_brand} {total\_number\_liters\_of\_the\_date}  
{milk\_brand} {total\_number\_liters\_of\_the\_date}  
{milk\_brand} {total\_number\_liters\_of\_the\_date}  
…

//print bill:  
Bill:  
{household\_name} {address}  
{milk\_brand} {total\_number\_liters\_of\_the\_month}  
{milk\_brand} {total\_number\_liters\_of\_the\_month}  
…  
{household\_name} {address}  
{milk\_brand} {total\_number\_liters\_of\_the\_month}  
{milk\_brand} {total\_number\_liters\_of\_the\_month}  
…

**Comment:**

1. Consume that each month has 30 days.
2. The time of Date will always forwards.
3. The setting input before first Date regard as initialize operations.
4. setOrder input will only set the month after this month. (Don’t need to consider about change order in the half of a month)
5. The orders of output milk in list and bill should be the order of milk adding (setMilk).
6. The numbers of liters of milk should also be printed as 0 in bills and summaries even though none of the milk is delivered.

---

A way to read input from System.in:

BufferedReader reader = new BufferedReader(new InputStreamReader(System.in));

String line = reader.readLine();

---

A way to read data from file:

File fakeDataFile = new File("name of the fake data");

BufferedReader reader = new BufferedReader(new FileReader(fakeDataFile));

String line = reader.readLine();

---

You are asked to write a main function in Main.java.

We'll test your program through "javac Main.java"

Please zip your source code and upload it.

The file name should be group[ID].zip. e.g. group3.zip

The folder structure should be:

unzip group3.zip

=> [dir] group3

=> group3/\*.java

**sampleInput:**

setMilk MilkA

setMilk MilkB

setMilk MilkC

addHousehold Alice 376\_LincolnSt\_Stoughton\_MA\_02072

addHousehold Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

setHousehold Selab 2241\_Turnpike\_Rd,\_Raeford,\_NC,\_28376

setVacation Mark 1 5

setVacation Mark 1 6

setVacation Mark 1 7

setOrder Mark MilkA 3 1

setOrder Mark MilkB 2 1

Date 1 1

setOrder Alice MilkB 2 2

setVacation Alice 2 25

Date 1 7

setOrder Mark MilkA 2 2

setOrder Mark MilkC 3 2

Date 1 30

Date 2 25

Date 2 30

**sampleOutput:**

List:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

MilkA 3

MilkB 2

Summary:

MilkA 3

MilkB 2

MilkC 0

List:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

Summary:

MilkA 0

MilkB 0

MilkC 0

List:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

MilkA 3

MilkB 2

Summary:

MilkA 3

MilkB 2

MilkC 0

Bill:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

MilkA 0

MilkB 0

MilkC 0

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

MilkA 81

MilkB 54

MilkC 0

List:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

MilkA 2

MilkC 3

Summary:

MilkA 2

MilkB 0

MilkC 3

List:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

MilkB 2

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

MilkA 2

MilkC 3

Summary:

MilkA 2

MilkB 2

MilkC 3

Bill:

Alice 376\_LincolnSt\_Stoughton\_MA\_02072

MilkA 0

MilkB 58

MilkC 0

Mark 322\_Rocky\_Holw\_Raccoon\_KY\_41557

MilkA 60

MilkB 0

MilkC 90