**Problem 2 (name this Lab5\_Problem2)**

Write an application that checks if you are drinking enough water daily.

1. This problem is similar to 3 above with these key differences:  
   1. Use the single-selection style of the if test.
   2. Use the false branch if the data is valid; this means the next question will be embedded in the false branch.
   3. Use three separate input capture variables, one for each criterion. You will need to consider the type of data being captured in choosing your data type and name.
2. Here are the criteria, prompts, and messages to use in building your dialog with the user:

|  |  |
| --- | --- |
| **Criteria** | **Valid Values, Prompts, and Message Text** |
| Do you drink water | **Criterion:** if the user inputs N, send them to the if statement. And if Y send them to the else statement and move on.  **Prompt:**  Do you drink water? Y or N: |
| Do you drink water everyday? | **Criterion:** if the user inputs N, send them to the if statement. And if Y send them to the else statement and move on.  **Prompt:**  Do you drink water everyday? Y or N: |
| How much do you drink | **Criterion:** any number under 8 is going to the if statement.  **Prompt:**  How many cups of water do you drink daily?  **Valid message (all three criteria met):**  congragulations. You are fully hydrating yourself!!! |

**Code:**

import java.util.Scanner;

public class Lab5\_Problem4

{

public static void main(String[] args)

{

// DECLARATIONS

// Input-capture variables:

String sWater;

String sDayWater;

int iNumWater;

Scanner cin= new Scanner(System.in);

System.out.print("Do you drink water? Y or N: ");

sWater=cin.next();

sWater=sWater.toUpperCase();

if (sWater.equals("N"))

{

System.out.println("Warning! You need to drink water");

}

else

{

System.out.print("Do you drink water everyday? Y or N: ");

sDayWater=cin.next();

sDayWater=sDayWater.toUpperCase();

if (sDayWater.equals("N"))

{

System.out.println("Warning! You need to drink water daily");

}

else

{

System.out.print("How many cups of water do you drink daily? ");

iNumWater=cin.nextInt();

if (iNumWater<8)

{

System.out.println("You must drink at least 8 cups of water");

}

else

{

System.out.println("congragulations. You are fully hydrating yourself!!!");

}

}

}

}

}