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IT 511- Object Oriented App Develop

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\*/

package SteppingStones;

import java.util.Scanner;

public class SteppingStone3\_Branches {

public static void main(String[] args) {

int numberCups = -1;

/\*\*

\* Add a CONSTANT variable MAX\_CUPS assigned to the value 100

\*/

int MAX\_CUPS = 100;

Scanner scnr = new Scanner(System.in);

System.out.println("Please enter the number of cups (between 1 and 100): ");

//The following "if branch" uses the scanner method hasNextInt() to

//check to see if the input is an int.

if (scnr.hasNextInt()) {

numberCups = scnr.nextInt();

/\*\*NESTED BRANCH:

\* Insert a nested branch that follows the following pattern:

\*

\* if numberCups is greater than or equal to MAX\_CUPS:

\* print numberCups + " is a valid number of cups!"

\*

\* else:

\* print numberCups + " is a not valid number of cups!"

\* print "Please enter another number of cups between 1 and 100: "

\* numberCups = scnr.nextInt();

\*

\* if numberCups is greater than or equal to MAX\_CUPS:

\* print numberCups + " is a valid number of cups!"

\*

\* else if numberCups < 1:

\* print numberCups + "is less than 1. Sorry you are out of"

\* attempts."

\*

\*

\* else

\* print numberCups + "is greater than 100. Sorry you are out of

\* attempts."

\*

\*/

if (numberCups > MAX\_CUPS)

System.out.println (numberCups + " is a valid number of cups!");

else

{System.out.println (numberCups + " is a not valid number of cups!");

System.out.println ("Please enter another number of cups between 1 and 100: ");

numberCups = scnr.nextInt();}

if (numberCups >= MAX\_CUPS)

System.out.println (numberCups + " is a valid number of cups!");

else

{

if (numberCups < 1)

{

System.out.println (numberCups + "is less than 1. Sorry you are out of attempts");

}

else

System.out.println (numberCups + "is greater than 100. Sorry you are out of attempts.");

}

} else {

System.out.println("Error: That is not a numer. Try again.");

}

}

}

/\*\*

\*

\* For your Final Project, adapt your Ingredient java file to include

\* data type validation steps for each of the variables in the class:

\*

\* ingredientName (String)

\* ingredientAmount (float)

\* unitMeasurment (String)

\* number of Calories (double)

\*

\*/