

Stepping stone three code reflection

Brief explanation of the code

This code uses branches to get the number of cups of an ingredient in a recipe. The limit of the number of cups in each recipe is 100 cups and the code ensures that the user enters an amount between 0 and 100. It allows the user two attempts to do this. To achieve this the code uses “if” “if else” and “else” statements. It also uses nested “if” “if else” and “else” statements.

The code starts by importing the scanner class (**import java.util.Scanner**) from the java.util package

We then create a class called “**SteppingStone3_Branches**” that will be used to do all the calculations.

A main method is created which is a method required in all java programs. All the code in the main method will be executed.

We then declare two variables, one for the number of cups (numberCups) that will be entered by the user using the scanner object and one variable for Max number (MAX_CUPS) of cups allowed for each ingredient.

We then use the scanner object to collect the input of the user and store the input in the numberCups variable that we declared earlier.

Next, we use the “hasNextInt()” method to check if the input entered is an integer.

Lastly, we then use two nested “if statements” to allow the user two chances to provide a value between 1 and 100, that we can compare with the max value of 100 to make sure it is in the range.

Purpose of the code

The code is used to collect the number of cups of an ingredient in each recipe from the user. It also establishes a limit to the number of cups allowed for each ingredient to 100.

Brief discussion of your experience in developing it, including any issues that you encountered while completing the stepping stone and what approaches you took to solve them

Developing this code was easy for me as I understand if statements. However, I had an issue with identifying if to use a double nested “if else” statements. I was not sure if I had to use only one nested “if else statements” or double nested “if else statements”

I solved this problem by running the code and seeing how it behaved. When I saw how it behaved, I was certain that I needed double nested “if else statements” if I wanted the results stated in the comments.