1. The program Uses Python library, Pandas, that contains a set of functions and specialized data structures. The data is read from an excel spreadsheet, CookieRecipes.xlsx, rows and columns were elements of each Cookie recipe (data) is stored and read into the program.
2. It begins with a Welcome statement and instruction for selection of a cookie, showing a list of six cookies, numbered one (1) through six (6), there is also the number zero (0) listed to exit the program. The user must enter a number for the program to continue. If zero is entered, then an Exit statement is provided a statement is provided and the program ends. If any non-numerical character is entered a value error is generated and a statement is provided to the user and the user is again given the option to choose a number from the list. If the user enters a number not in the list, a statement is provided, and the user is once again instructed to enter a number that is in the list. Once the user enters a valid number from the list, the Cookie name, Prep Time, Cook Time and Yield amount and ingredients for one batch are displayed.
3. The program then displays a question for the number of batches the user would like to make, this number must be a minimum of one. If zero is entered, then an Exit statement is provided a statement is provided and the program ends. Any number less than one (1) entered, generates a statement and the user is prompted again to enter a number. If any non-numerical character is entered a value error is generated and a statement is provided to the user prompting them again to enter a number. Once the user enters a valid number (1 or higher), a statement is displayed showing the Cookie name, batch quantity entered with the Prep Time and Yield amounts both updated (1 batch Prep Time and Yield amounts multiplied by the Batch Quantity entered. The amount of each ingredient listed that is not equal to zero is converted to include fractions and a statement dependent on the final amount needed for the batch number entered. At this point the Directions for making the Cookie Recipe selected by User is added along with one of two closing statements and an end/exit statement.

*\*Descriptive comments can also be found in the CookieRecipesProgram.py file.*