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 and 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 and the program ends. If any non-numerical character is entered a value error is generated and a statement is provided to the user. 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 are displayed.
3. The program then displays a question for the number of batches the user would like to make, but the number must be a minimum of one. If a number less than one is entered, then a statement is provided and the 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 number equal to or higher than one, a statement is displayed showing the Cookie name, batch quantity entered with the Prep Time, Yield amount and Directions updated. The amount of each ingredient not equal to zero is converted to include fractions and a statement dependent on the batch number entered. At this point the Directions for making the Cookie Recipe selected by User added along with one of two closing statements and an end/exit statement.