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CSCE 240, Section 001

Assignment 3 Report

The goal for the third programming assignment was to be able to make content available to the user in the command line. One of the requirements was to run the program until the user wants to quit so I implemented a while loop to do so. I created a variable called exitProg and initialized it to store the word "no". Once the user inputs "Quit", "quit", or "q", the variable is then changed to "yes" which then exits the loop since it only run while exitProg is not equal to "yes".

Inside of the while loop the user is prompted to enter in a query, this string is then passed into a method that provides an answer to it. I created regular expressions for each possible keyword that I could think of that the user might include in their query. Using these expressions, the program searches the user's question for keywords and outputs certain information based on what was found. For example, if a user typed in a question that had the word "number" in it, the program would then return the phone numbers of the representative. If all of the regular expressions have been searched for and no matches were found, this means that the program is not yet able to handle the given query. In this case it then outputs what the user typed in, followed by " – I do not know this information".

One note to make is that this program does not use the data extracted from the programming assignment 2 since I manually typed in the information in this assignment. It wasn't specified for this assignment, but I am hoping to figure out how to integrate the two together so that I can extract the data directly which part of the overall goal for the chatbot.