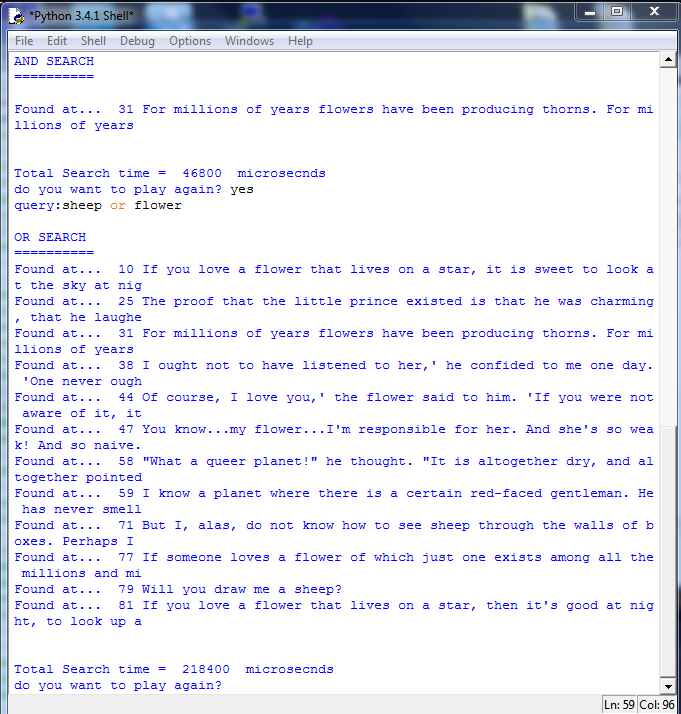


Search1 shows my code using a search for a query in a list of words using. First the data\_list was separated by element. Then that element was separated by word. If the query found in that list of words then there was a match. This was slow because it compared each word one by one. I used a for loop and an ‘in’ command (for query in quote).



Search2 shows my code using a dictionary to pre process the data before searching. I searched every word and found the index of the data\_list where it was found. Those numbers were stored as the value in the dictionary. The key in the dictionary was the word. The times here show that this search was slower. I believe it had to do with the fact that this search found more occurances such as ‘sheep?’ where my previous search did not consider words with punctuation. Also the output was longer which took up time.