

COMP 281 Problem 1077 Birthday Lookup

Programming techniques

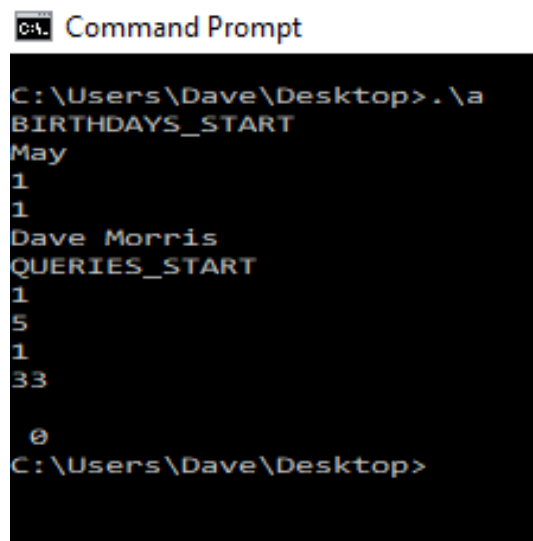
When writing this program I have used a series of different techniques to help accomplish my goal. I have used the methods that have been explained in the lectures such as scanf, printf, and arrays and loops. But I also went away and learnt some other techniques like strcmp to help take the user input from strings and ensure they could be given value in the program.

The general process of the program is that the user inputs BIRTHDAYS_START at the beginning where the user will then enter a while loop where the exit condition is to enter QUERIES_START. While in the while loop, the user will enter the date in the following order; month, day, year, name of the person. When the user has entered this information and cycles back to month input, they have the choice to either break out of the loop or enter another set of dates.

Once broken out of that loop the user will enter another while loop where the end condition is the day being entered at 33 (I know this end condition was not part of the requirement document but I didn't know how to implement such an end condition as scanf does not support empty input parameters). The user will enter a set of queries in the order of; day, month, and year. These values will be stored in variables and compared to the values from the input that were stored in an array. If the query values match then the name of the person it was matched to will be put into an output array where all the names corresponding to the query dates will be stored until they have been printed when the user breaks out of the query loop.

Screenshots of program

I have some problems with the output of this program but the inputs work fine as well as the storage methods.



```
C:\Users\Dave\Desktop>.\a
BIRTHDAYS_START
May
1
1
Dave Morris
QUERIES_START
1
5
1
33
0
C:\Users\Dave\Desktop>
```