```
#include "decl.h"
    #include <stdio.h>
 3
    #include <string.h>
    #include <stdlib.h>
 4
 5
     /**
 6
 7
     * Write the player's information from the struct to the file and
8
     * read pre-existing data into a buffer to be displayed
9
     * @param info The struct containing the player's info
10
11
    void readPlayersInformation(struct PlayerInfo *info)
12
13
         /*Open the file for writing*/
14
         FILE *outFile = fopen("summary.txt", "a");
15
         fprintf(outFile, "%s %s %d\n", info->name, info->date, info->numGenerations);
16
         /*
17
18
             I close the file here only to open it again which may seem redundant,
19
             but the reason is a file cannot be opened for reading if it hasn't
20
             been created. However, opening a file for appending if it doesn't exist will
             create
21
             it. Thus, I ensure that the file will be written to regardless.
22
         * /
23
         fclose(outFile);
24
25
         char *entries[BUFFER SIZE];
26
         char buffer[BUFFER SIZE];
27
         int line = 0;
28
         outFile = fopen("summary.txt", "r");
29
         /*Read the file line by line until EOF is reached*/
30
31
         while (fgets(buffer, BUFFER SIZE, outFile))
32
         {
             /*
33
34
                 Allocate memory on the heap for each "string" by malloc-ing
35
                 enough bytes to fit it as well as the terminating character.
36
                 Note: sizeof(char)is redundant since a char occupies 1 byte
37
                 but it increases readability and makes it explicitly clear to
38
                 anyone reading the code.
39
40
             entries[line] = malloc(sizeof(char) * (strlen(buffer) + 1));
41
42
             /*After allocating enough memory, store the string in the current index*/
43
             strcpy(entries[line++], buffer);
44
         1
45
         fclose(outFile);
46
         displayGameSummary(entries,line);
47
```