- (1) Student and Computing Information
- Nicholas Phillips and Student ID: A031344011
- Advance Programming Principles and Assignment 3.
- Completed on a MacBook Pro running macOS Monterey version 12.1. The compiler used was visual studios.
- (2) Purpose Statement: The purpose of this assignment was to use advanced file operations and functions. In this assignment, the user will have to search for the correct text file. If the text file can not be found it will end the program. If the text file can be found, it will then create an HTML file by reading the text file. The HTML file will be created using the ofstream. After that, the program will then use ifstream for the input file stream for the text file. Finally, it will then use an access flag to read the data from the file.

(3) C++ Code

```
Completed by Nicholas Phillips on Marth 20th 2022.

Assignment 3 for CPSC 246 taught by Dr. Lee.

Purpose: The purpose of this assignment was to use advanced file operations and functions.

In this assignment, the user will have to search for the correct text file. If the text file can not be found it will end the program.

If the text file can be found, it will then create an HTML file by reading the text file.

The HTML file will be created using the ofstream. After that, the program will then use ifstream

for the input file stream for the text file. Finally, it will then use an access flag to read the data

from the file.
```

```
#include <iostream>
#include <fstream>
#include <sstream>//for getline
#include <string>
using namespace std;
void checksFile (); //Function prototype.
void read(); //Function prototype.
int main() {
the html file.
void checksFile () {
      cout<<"The file does exists. "<<endl;</pre>
```

```
from reading the text file."<<endl;</pre>
      exit(0);
  outfile.open("Assignment3.html");
  string filename("input.txt");
   ifstream input_file(filename, ios::in); //Access flag, tells C++ to open the file
```

```
if(input file.get(Start)) {
   if(input file.get(Title)) {
      outfile << "<center>"; //Centering the table and h1 tags
      outfile << "<h1>" << "<h1>CPSC-246 Assignment 3\n" <<"</h1>";
    if(input file.get(Table)) {
      outfile << "<table border = \"1\">\n";
   if(input_file.get(Row1)){
3"<<"</td>"<<"</tr>";
  if(input file.get(Row2)){
3"<<"</td>"<<"</tr>";
      outfile <<"</table>" <<"</center>" << "</body>" << "</html>";
```

(4) Output from the code.

This is the output of when the user enters in the wrong .txt file.

```
| Content | Cont
```

This is the output of when the user enters in the correct .txt file.

```
| Compared | Compared
```

This is the output of the html file the program created.

