CS-382 Programming Tools

Assignment #4

Objective: Compiling a program with multiple source files using g++ options.

Assignment 1: Write a program to search for the details entered for a specified date or word.

Requirements: Make two functions named as date_Search(), and word_Search() in two difference source file and compile using multiple source files.

date_Search(): Takes date as argument. It searches for the content relevant for a given date and display it on the screen.

word_Search(): Takes word as argument . It searches for the content relevant for a given word and display it on the screen.

1. Make a header file named as "search.h" to define the date_Search() and word_Search() functions.
2. date_Search() function definition should be in the file datesc.cpp.
3. word_Search() function definition should be in file wordsc.cpp.
4. Use header file "search.h" file to call the functions date_Search() and word_Search().
5. main() function should be in the file main1.cpp. Import the header file "search.h" so that you can call date_Search() and word_Search() functions from main().

Input file format

Date: dd/mm/yyyy

Subject: Contains relevant subject

Description: Contains relevant description

For an instance

Date: 10/02/2015

Subject: Birthday of my brother

Description: My brother who turned 16 on 10th of February, 2015 is my youngest brother. We celebrated that evening with my parents and friends in our old bunglow in Pali Hill.

Date: 11/03/2015

Subject: Paid monthly bill to maid servent

Description: Paid 3500 rupees to our maid servent. She was absent for two days.

Date: 14/04/2015

Subject: Visit to Delhi

Description: On that day me and my friends visited Delhi and we enjoyed a lot.

**************Program to search**

1. Enter 1 if you want to search details for a specified date
2. Enter 2 if you want to search details for a specified string
3. Enter 3 to exit

Please enter your choice: 1

Enter the day: 10

Enter the month: 10

Enter the year: 1990

No details exist for the specified date

**************Program to search**

1. Enter 1 if you want to search details for a specified date
2. Enter 2 if you want to search details for a specified string
3. Enter 3 to exit

Please enter your choice: 1

Enter the day: 14

Enter the month: 04

Enter the year: 2015

Date: 14/04/2015

Subject: Visit to Delhi

Description: On that day me and my friends visited Delhi and we enjoyed a lot.

**************Program to search**

1. Enter 1 if you want to search details for a specified date
2. Enter 2 if you want to search details for a specified string
3. Enter 3 to exit

Please enter your choice: 2

Enter search string: 2015

Date: 10/02/2015

Subject: Birthday of my brother

Description: My brother who turned 16 on 10th of February, 2015 is my youngest brother. We celebrated that evening with my parents and friends in our old bunglow in Pali Hill.

Date: 11/03/2015

Subject: Paid monthly bill to maid servent

Description: Paid 3500 rupees to our maid servent. She was absent for two days.

Date: 14/04/2015

Subject: Visit to Delhi

Description: On that day me and my friends visited Delhi and we enjoyed a lot.

**************Program to search***************************************

1. Enter 1 if you want to search details for a specified date
2. Enter 2 if you want to search details for a specified string
3. Enter 3 to exit

Please enter your choice: 3

Bye!

Assignment 2: Compile your program and generate the object file (.o file) and then write command to generate executable file from the object file.