Programming Fundamentals – Spring 2013
(BS-SE-F12 Morning & Afternoon)

Lab # 14

Instructions:

- Indent your code properly.
- Use meaningful variable and function names. Follow the naming conventions.
- Use meaningful prompt lines/labels for all input/output that is done by your programs.
- Make sure that there are no **dangling pointers** or **memory leaks** in your program.

Task # 1

Write a C++ program for solving **Programming Challenge # 8** (*Array/File Functions*) from Chapter 12 (Page 702-703) of your textbook.

Task # 2

Write a C++ program for solving **Programming Challenge # 6** (*String Search*) from Chapter 12 (Page 702) of your textbook.

Task # 3

Write a C++ program for solving **Programming Challenge # 7** (*Sentence Filter*) from Chapter 12 (Page 702) of your textbook.

Task # 4

Write a C++ program for solving **Programming Challenge # 5** (*Line Numbers*) from Chapter 12 (Page 702) of your textbook.

Task # 5

Write C++ programs for solving **Programming Challenges # 9 and 10** (*File Encryption Filter and File Decryption Filter*) from Chapter 12 (Page 703) of your textbook.

Task # 6

Write C++ programs for solving **Programming Challenges # 13 and 14** (*Inventory Program and Inventory Screen Report*) from Chapter 12 (Page 703-704) of your textbook.

Task # 7

Write a C++ program for solving **Programming Challenge # 15** (*Average Number of Words*) from Chapter 12 (Page 704) of your textbook.

Task # 8

Write a C++ program for solving **Programming Challenge # 3** (*Punch Line*) from Chapter 12 (Page 701) of your textbook.

Task # 9

Write a C++ program for solving **Programming Challenge # 4** (*Tail Program*) from Chapter 12 (Page 701) of your textbook.