**Principles of Programming Languages (Lab 5)**

**Problem:**

Write a program in C++ to input a paragraph from a text file and sort the paragraph according to the number of letters in a word and then sort the lines lexicographically. For example - “I am seeing this thing for the first time” should be displayed as

I

am

for the

this time

first thing

seeing

**Input:**

Input is given from a file named “new.txt” using file handling.

The program needs to be compiled using -std=C++11

**Output:**

Output comes as sorted words from the paragraph given in the file according to their length of

words displayed in a single line according to their length. For example all 3 letter words come

in a single line, all 4 letter words come in the same line and so on.

The lines are then lexicographically sorted according to words in them.