## WordUtils.java

**Objective**: To create helper utilities that will be used in a future project.

## Background:

We programmed EveryWord.java together. WordUtils.java implements the same functions as EveryWord plus a few more. These methods are utilities that will be used by other classes in a future project. The main method provided in **WordUtils** is for testing your code.

## Assignment:

You will write several utility methods to be used by other classes. It includes a method for finding words in a dictionary file that match a list of input letters, a method that calculates the score of each word found, and a method that finds the highest scoring word. Scoring is based on a score table provided as a parameter. For example, if 'A' has a score of 1, 'C' has a score of 3, and 'T' has a score of 1, the score for the word "CAT" would be sum of the values or 5. The table is an array of integers and is provided in the starter code.

Here is a sample run output:

% java WordUtils Please enter a list of letters, from 3 to 12 letters long, without spaces -> goingtobat

abo agon ani baggit bant batting bigot bio bito bog bongo boong gab gait giant gigot gnat goban gong igg into nab nib nogg obi oint oot tag tait tig	aging ai ant bagnio bat bi bin biog bitt bogan bonita boot gabion gang gib gin go gobang goo in ion nag nit not obia on otto tai tan tanto	agio ain anti bait baton big bing bing biont boa bogong bonito bot gaboon gant gig gio goa gobo goog inga iota nagi no oat obit tab taig tang tao tin	ago ait at ban batoon biga bingo biota boat boing boo bota gag gat giga git goat gogo goon ingo it nat nob oba obo oon tabi tain tangi tat ting	agog an bag bang batt bigg bint bit boating boon bott gain gating gigaton gotiano gob going i ingot ita ngaio nog obang obtain oont taboo taint tango ti ting
tanti	tanto	tao	tat	ti
tit toga	titan toit	to ton	toboggan tong	tog tonga
toga too	toon	toot	tot	toliga

Highest scoring word: toboggan Score = 12