Lab #2

Programming and Algorithms

1. Review the *FULL FILE ANALYSIS* program and add two options to the program:
	1. Add an option to this program to specific the name of the file that you wish to do an analysis on.
	2. Add an option to this program to specific to number of most frequently occurring words from the file are printed out.

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| **What is the filename you wish to analyse:** ‘CompleteShakespeare.txt’**How many more frequently occurring words:** 15 |

which should return:

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| The file 'CompleteShakespeare.txt' has: 5457676 characters 124614 lines 902892 words The top 15 most occurring words are: 1. 27524 the 2. 26674 and 3. 20115 i 4. 19189 to 5. 18224 of 6. 14379 a 7. 13578 you 8. 12461 my 9. 11095 that 10. 10994 in 11. 9355 is 12. 8684 not 13. 8215 for 14. 7786 with 15. 7663 me |

1. Review the *WEB CRAWLER* program and add three options to the program:
	1. Add an option to this program to specific the web address.
	2. Add an option to this program to specific the search term.
	3. Add an option to this program to specific the maximum number of pages.

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| **What is the website you want to start with:** ‘http://www.dit.ie’**What is a search term you are looking for**: “Registration”**How many pages can be visited:** 15 |

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| e-mail me a completed solution in a Word document.e-mail to Damian.X.Gordon@tudublin.ie with subject heading “DT249 PaA Lab #2” |