

Part 1 - trie.c		Student Mark	Out of	Comments
Functions				
<b>trienode_create</b>				
Creates and returns a trienode		2	2	
Initializes the data member		1	1	
Sets the word member to NULL		1	1	
Initializes all children to NULL		1	1	
<b>trie_create</b>				
Creates and returns a trie		2	2	
Initializes root node		1	1	
Sets root node character to \$		1	1	
Initializes size to 0		1	1	
<b>trie_insert</b>				
Correctly inserts a single word		4	4	
Stores word at last node		2	2	
Duplicates the word to be stored		2	2	
Increases the size of the trie		2	2	
Does not modify trie when a duplicate word is added		3	3	
Correctly handles the insertion of multiple words		4	4	
Correctly handles the insertion of a prefix of an existing word		4	4	
<b>trie_contains</b>				
Returns true for an existing word		2	2	
Returns false for a non-existent word		2	2	
Returns false for the prefix of an existing word		2	2	
Returns true for a word that is a prefix of another word		2	2	
<b>trie_contains_prefix</b>				
Returns true for an existing prefix		2	2	
Returns true for an existing word		2	2	
Returns true for the prefix of multiple words		2	2	
Returns false for a non-existent prefix		2	2	
<b>trienode_print</b>				
Correctly prints the words in the trie rooted at the given node in ascending order		6	6	
<b>trie_print</b>				
Correctly prints the words in the trie in ascending order		6	6	
<b>trie_print_prefix</b>				
Correctly prints the words in the trie that begin with the given prefix in ascending order		6	6	
<b>trie_free</b>				
Correctly frees all memory allocated for the trie (all or nothing; assign 0 if any tests have memory leaks)		5	5	
Part 2 - lookup.c		Student Mark	Out of	Comments
Prints usage if invalid arguments provided		5	5	
Correctly prints the entire trie no arguments provided		5	5	
Correctly prints all words starting with a given prefix if the p argument is passed		5	5	
Correctly prints 1 or 0 to indicate whether a given prefix is present when the c argument is passed		5	5	
Correctly prints 1 or 0 to indicate whether a given word is present when the w argument is passed		5	5	
Correctly frees all memory (all or nothing; assign 0 if any tests have memory leaks)		5	5	
<b>Total</b>		<b>100.00</b>	<b>100.00</b>	
Style and Commenting (capped to 10% of assignment total below)		Deduction	Deduct Up To	Comments
Uses any convention for identifiers (variable names, function names) other than snake_case			-2	
Uses any style for braces other than Allman / BSD (braces on a separate line)			-2	
Uses tabs for indentation or anything other than 4 spaces per indentation level			-2	
Non-existent, sparse, or unclear comments throughout program to describe the code			-5	
One or more variable declarations left uncommented			-2	
One or more files missing a file header comment containing student's name, assignment number, purpose of the file			-2	
One or more functions missing a function header comment describing purpose of function, parameters, and return value			-2	
Code is generally messy / unreadable			-5	
Code contains magic numbers instead of constants			-2	
<b>Total Style Deductions (capped at 10%)</b>		<b>0.00</b>		
Deductions		Deduction	Deduct Up To	Comments
Code will not compile or test cases crash (deduct 50% - 100%, depending on completeness of code)			-100	
Uses one or more global variables (-2 marks)			-2	
Code is mostly correct, but marker had to make changes to the code to get it to compile or pass the tests (-20 marks)			-20	
Files are not named trie.c and lookup.c, requiring manual renaming before tests can be run (-2.5 marks)			-2.5	
Compilation produces warnings (-2 marks)			-2	
Additional files included in repository (binaries, .o files, etc.): -0.5 marks per instance, up to -2 max			-2	
.asn4 directory is not at the root of the repository (-2 marks)			-2	
Late penalty (first 24 hours: -10 marks; next 24 hours: -25 marks; after 48 hours: -100 marks)			-100	
<b>Total Deductions</b>		<b>0.00</b>		
Summary		Student Mark	Out of	Comments
Parts 1 and 2		100.00	100	Well done
Style and Commenting Deductions		0.00		
Other Deductions		0.00		
<b>Assignment Total</b>		<b>100.00</b>	<b>100.00</b>	