SPACE SUA	C-Language Developer - Basic		
ALL THE TO DO	The earner of this badge demonstrated understanding of C-lang	uage	
	concepts including conditional and iterative program control flow	-	ory
	allocation and management, string manipulation, data types, ba		•
KANGLIAGEDE	assemblers and compilers, function calls, pointers, data structur	-	•
GOAE	algorithms. The earner identified problems with provided examp		è
	and corrected them.		
Earner:	Supervisor: Date:		
Earning Criteria	The earner will submit sample of compilable, working stand-alone demonstrating the expected basic C-language skills and knowledge		rner
	will also perform corrective maintenance on example code and ens		
	proper use of variable scope, memory management, and safe func		
Reviewing Criteria			9
	code and code maintenance – please use the space at the bottom checklist and/or the comments section to provide feedback for the		
Scoring Criteria	Earner must get a "Yes" in all categories to earn the badge.	carrier	
Scoring enterio		Yes	No
1. Source Code			
C Basics:			
Header file, main() fur	nction, data types, structs, void and non-void functions		
Pointer Usage:			
Pointers, linked list, do	oubly linked list, function pointer		
Memory Managemen			
	(), memset(), memcpy()		
	(), memsel(), memepy()		
Arrays:			
char arrays, int arrays,	, pointer arrays		
Operators:			
Bit-wise operators, log	gical operators		
Looping:			
Looping: Iterative loop, condition	onal loops		
Iterative loop, conditio	onal loops		
Iterative loop, condition			
Iterative loop, conditio			
Iterative loop, condition Input Handling: Input validation, error String Manipulation:			
Iterative loop, condition Input Handling: Input validation, error String Manipulation: strcpy(), strncpy(), strl	handling, bit flags		
Iterative loop, condition Input Handling: Input validation, error String Manipulation:	handling, bit flags lcpy(), strlcat(), print a string format to variable, stream, and file		

2. Corrective Maintenance Compiler Errors: Earner was able to identify and fix compiler errors. Logic Errors: Earner was able to identify and fix coding logic that resulted in unintended behaviors. Variable Scope:	No
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Variable Scope:	
Variables are organized and declared at the smallest scope necessary.	
Memory Management:	
Pointers are allocated memory and are cleared of data and freed when no longer in use.	
Safe Functions:	
Known unsafe functions are replaced and input validation prevents errors.	

Supervisor/Issuer: Please u	se the space below to	provide feedback for the earner.

Recommend award of the badge:		YES	NO	
Earner Signature:	Supervisor Signature:	Issuer Signature:	I	