Rubrics Q1	Weight (100)	Zero (0%)	Poor (20%)	Pass (40%)	Good (60%)	Excellent (80%)	Outstanding (100%)
Basic Function	nction 40 No answer or Iterative		Recursive	Recursive implementation, no	Recursive implementation, no	Excellent level + special	
		all normal test	implementation	implementation, errors	error in normal test cases.	error in normal test cases.	considerations in pipeline,
		cases failed		in normal test cases.	Incorrect stack usage,	Good stack usage, caller/callee	data/control hazards
					caller/callee saved registers,	saved registers, no MIPS usage	(Encourage self-
					other MIPS usage errors.	errors.	explorations).
Prompt	20	No p	rompt	Basic prompt to allow	Advanced prompt to guide	Advanced prompt to guide user's input and warn	
				user's input	user's input to ensure normal	consequences of abnormal input. Present informative	
					input cases.	message to let user know of abnormal results. Ensure serv	
						availability.	
Documentation	20	No comment.	Few comments.	Insufficient comments.	Comments on key	Clear comments to explain the	Professional comments
		Very poor	Poor coding style	Good coding style.	instructions. Good coding	logic flow. Good coding style.	explaining program
		coding style.			style.		information, input/output,
							design
							tradeoff/considerations, etc.
							Good coding style.
Input Test	20	No input test.	Evidence of	Attempted input test,	Identify one type of abnormal	Identify and handle two types	Identify and handle more
			attempted input	only ensuring normal	input, reply with	of abnormal input, reply with	than two types of abnormal
			test, but failed.	input.	corresponding prompt	corresponding prompt	input. Reply with excellent
							prompt for user's next input.
							Exhibit intelligence.

Rubrics Q2A	Weight (100)	Zero (0%)	Poor (20%)	Pass (40%)	Good (60%)	Excellent (80%)	Outstanding (100%)
Basic Function	40	No answer or all String implementation, namely		Print integer behavior	All prints work	All prints work	Excellent level + special
		normal test cases	take a string as input and take the	same as skeleton. At	correctly on normal	correctly on normal	considerations in pipeline,
		failed	corresponding string (replace	most one print string,	input. Some faults in	input. Good stack	data/control hazards
			integer, char, or % syscalls) as	char, or % fails to work on	MIPS usage, stack	usage, caller/callee	(Encourage self-
			output. 2 or more of	normal input.	usage, caller/callee	saved registers, no	explorations).
			print %s, %c, %%, %d do not work.		saved registers, etc.	MIPS usage errors,	
			Print integer behavior not same as			etc.	
			skeleton.				
Prompt	20	No prompt		Basic prompt to allow	Advanced prompt to	Advanced prompt to guide user's input and warn	
				user's input	guide user's input to	consequences of abnormal input. Present	
					ensure normal input	informative message to let user know of abnormal	
					cases.	results. Ensure service availability.	
Documentation	20	No comment. Very	Few comments.	Insufficient comments.	Comments on key	Clear comments to	Professional comments
		poor coding style.	Poor coding style	Good coding style.	instructions. Good	explain the logic	explaining program
					coding style.	flow. Good coding	information, input/output,
						style.	design
							tradeoff/considerations, etc.
							Good coding style.
Input Test	20	No input test.	Evidence of attempted input test,	Attempted input test,	Identify one type of	Identify and handle	Identify and handle more
			but failed.	only ensuring normal	abnormal input,	two types of	than two types of abnormal
				input.	reply with	abnormal input,	input. Reply with excellent
					corresponding	reply with	prompt for user's next input.
					prompt	corresponding	Exhibit intelligence.
						prompt	

Rubrics Q2B	Weight (100)	Zero (0%)	Poor (20%)	Pass (40%)	Good (60%)	Excellent (80%)	Outstanding (100%)
Functionality	80	No answer. All	Errors in at least one	No error in normal test	No error in normal test	Higher number of varieties	Excellent level +
		normal test cases	normal test cases.	cases. One or two variety	cases. Three to five variety	of both normal and	outstanding efforts
		failed.		of normal cases	of normal cases	abnormal cases	correcting abnormal
				considered, OR one or two	considered, AND three to	considered, beyond Good	cases.
				variety of abnormal cases	five variety of abnormal	level + good efforts	
				considered. Output of	cases considered. Output	correcting abnormal cases.	
				abnormal cases identical	of abnormal cases identical		
				to the program output.	to the program output.		
Documentation	20	Nothing meaningful		Basic and sufficiently providing input and output for		Excellent description of the cases and related	
		provided.		each case.		accessory information provided.	

Rubrics Q2C	Weight (100)	Zero (0%)	Poor (20%)	Pass (40%)	Good (60%)	Excellent (80%)	Outstanding (100%)
Basic Function	40	No answer or	String implementation, namely	Print integer behavior	All prints work correctly	All prints work correctly	Excellent level + special
		all normal test	take a string as input and take the	same as skeleton. At most	on normal input. Some	on normal input. Good	considerations in pipeline,
		cases failed	corresponding string (replace	one print strings, char, or %	faults in MIPS usage,	stack usage, caller/callee	data/control hazards
			integer, char, or % syscalls) as	fails to work on normal	stack usage, caller/callee	saved registers, no MIPS	(Encourage self-
			output. 2 or more of	input.	saved registers, etc.	usage errors, etc.	explorations).
			print %S, %s, %c, %%, %d do not				
		work. Print integer behavior not					
			same as skeleton.				
Prompt	20		No prompt	Basic prompt to allow	Advanced prompt to	Advanced prompt to guide user's input and warn	
				user's input	guide user's input to	consequences of abnormal input. Present informative message to let user know of abnormal results. Ensure	
					ensure normal input		
					cases.	service availability.	
Documentation	20	No comment.	Few comments.	Insufficient comments.	Comments on key	Clear comments to	Professional comments
		Very poor	Poor coding style	Good coding style.	instructions. Good coding	explain the logic flow.	explaining program
		coding style.			style.	Good coding style.	information, input/output,
							design
							tradeoff/considerations, etc.
							Good coding style.
Input Test	20	No input test.	Evidence of attempted input test,	Attempted input test, only	Identify one type of	Identify and handle two	Identify and handle more
			but failed.	ensuring normal input.	abnormal input, reply	types of abnormal input,	than two types of abnormal
					with corresponding	reply with corresponding	input. Reply with excellent
					prompt	prompt	prompt for user's next input.
							Exhibit intelligence.

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