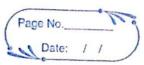


	Date: 77					
	Assignment 4					
	Title: Multiplication 2					
	Title: Multiplication of two 2 digit numbers					
	Problem statement:					
	Write X86/64-bit ALP to perform multiplication					
116.00	of two 8-bit heradecimal numbers. Use					
	successive addition & add & shift method.					
	/ Joseph John John John John John John John Joh					
•	Objective:					
	To understandi-					
r v fra	1) 0-1-3 3. 01:6404-1					
	1) Add & shift method					
×	2) Successive Addition					
	Oitcome:					
	I will be able to do multiplication in ALP					
	~~ ~ !! . v ~ p . !! !					
	Software Hardware Packages:					
	i) Processor: - Core 2 duo /i3/i5/i7					
	2) OS:- Linux 64 bit Os					
	3) Editor:- gedit/vi					
	4) Assembler: NASM					
	5) Debugger:- GDB/TD					

0	Theory:					
	D) Successive Addition					
	- Consider we have to do [AL x BL]					
	- In this one number is set as					
	counter, then the first number is					
	added to itself until the counter becomes					
	zero.					
2) Add 4 Shift method:						
	- Consider we have to do [AL x BL]					
	- Here we chick LSB of second number					
	if add the fist number to itself if					
	LSB: 1 & Shift the second number to					
	right & first to left.					
9 JA 7	and the state of the second contract of the s					
0	Algorithm:					
	The state of the s					
	Final Park Francisco North Committee					
	1) Start					
	2) Get multiplier & multiplicand					
	3) Assign appropriate registers					
	4) Perform respective algorithm					
	5) Display result					
	EN3 (3)					



			Date: / /	
•	Test Cones:			
	Input	Croschol ala	0) 1	0
	POI	EXPECTED OID	Actual op	Result
1)	22h, 33h	06C6h	Yes	Pass
2)	30h, OFh	0.0.0.1		_
	JON, OPh	02 Doh	0200h	Poss
-				
•	Conclusion:			
	De impler	nanted multip	olication a u	sing
	Successfully.	algorithms	in ALP	

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