ASSIGNMENT-3

Paga No. / 27 Data. / 17 · 10 · 19

H2210th	IMEN 1-3	Data. / 17.10.19	
assembly /simulate	y language program form:	microprocessor Kit/Simulator and mamming using 8086A microprocessor	
9 Shift	ing a block of a	data from one memory location to	
Address		0	
4000	MOV CL, OAH	Comments OAn	
41002	MOV SI , 2000	1	
-10-62	1010 51 9 2000	Load SI Reg. with Content of mem loc.	
4005	MOV DI , 3000	Load DI Reg. with Content of mem Loc	
	1101 02 7 0000	3000 H .	
40068	MOVSB	Load DI Reg. with the content of	
LI U.U.U.B	TOV DD	SI Reg on the Strong byte of SI Reg	
4009	LOOP 4008	Jump to 4008, if CL Reg. Content is	
	12007 1008	nonzeroo.	
100C	INT 3	Stop execution.	
INPUT:		OUTPUT:	
2000H: 11H		3000# :11#	
3001 11 : 2		3001 # : 55#	
2002 4 : 334		3002# : 334	
2003H : D	4 .	30034:444	
2004 4 : 4	55,,	30041+1554	
2005 # :6	564	3005 H; 66 H	
700 6 н : 77 ц		30064:774	
2007 # '0	у н	30074:831	
2008 H : 88 H		3000 H . AAH	
HAA: HEOOS		Teacher's Signature	

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the help of a 8086 lips.

Address	Mnemonics	Comments
3000	MOV CL, 09	Load CL Reg. with ODH
3002	MOV SI . 2000	load SI Reg. with content of mem.
		Loc. 2000H.
3005	MOV AH , [SI]	Move the Content of SI Reato AH Pag
3007	INE SI	Increase tur Cor Load SI Reg.
		with Content of next mem loc. 3
3008	CMP AHI[SI]	Company twe Content of SI and
		A4 Reg.
300 A	JNC 300E	If no carons Jumpto 300 Emmen
300C	MOV AHICSE]	MOV \$513 Reg content to AH Reg.
BOOE	DEC CL	Decrocase the Content of CL Rey
Boof	JNZ 3007	If non zero mump to 30074
Boll	INT 3	Stop enecution.
5011	2.41 3	Jiop enactation.

INPUT:-

2000 н : 00 н · 300 1 н ; 11 н 3002 н : 22 н 3003 н : 55 200 4 ч ; 4 4 ш

OUTPUT:-

A4 & 55H

wet to

Do

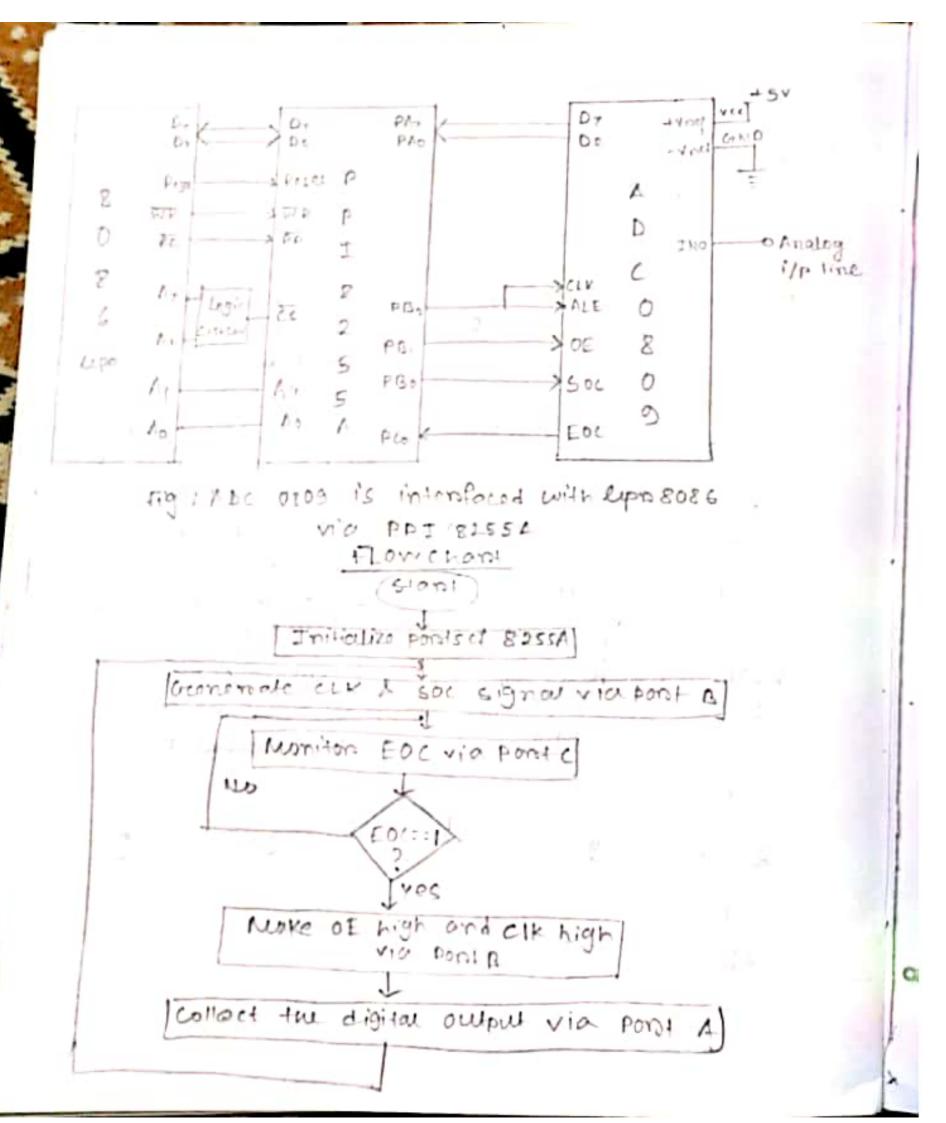
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ADC 080	o is intenfaced u	oith Lyon 8086 usia PPI 8255A.
Address	Mnemonics	Comments
3000	MOV AL. 91	
3002	Mov Dx, 0067	Load AL Reg with 91.
3005	OUTDXIAL	Dx Rais Pointigto 0067 and location AL Ray Content is copied to Dx Reg.
300 G	MOV AL, 05	Load AL Reg with 05m.
3008	MOV DX 10063	Dx Reg is pointing to 0063 memoloc.
300B	OUT DX , AL	AL Reg Content is Copied on to post B
300C	MOV AL, OH	Locad AL Reg with Dyn.
300 €	MOV DX - 0063	Dx Rog. is pointing to 0063 months
3011	OUT DX , AL	AL Reg content is copied on to pont B
3012	MOV Dx , 0065	Dx Reg is pointing to oobs mem lec.
3015	TN AL, DX	Control of Ponta is now available of Ale
3016	ROR AL. 1	Rotate Might the content of AL Fig 1 time
3018	JNC 3015	If no canny move to 3015
3014	MOV AL 106	Local AL Reg with OF
3010	MOV Dx. 0063	Dx Reg is pointing to 0063 mm 4
301F	OUT DX . AL	Cortent of AL Pag is copied onto pont B
3020	May Dx 20061	Dr Reg is pointing to opol memlor
3023	IN AL, DX	Foral A Content is now available in ALE
3024	INT 3	End of eneution.
INPUT	OUTPUT	
2.5 V	80 4	
4 V	C34	
5 v	F34	

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14 01		
5) Straing		
Addness	Mnemonics	comments
4000	MOV CL, OAH	LOOD CL Reg. With OAH.
4002	MOV SI, 2000"	
4005		Load SI Reg. With content of
	MOV DI, 3000H	Load DI Reg. with Content of mom.
4008	REPE CMPSB	Compane the Stroing byte Content
		of SI and DI and nepeat
400A	TKIT	equal.
	INT 3	Stop enecution
INPUT:		
5000# : 11H	3000#: NH	
200 IH; 22H	3001 H: 21H	
002#: 33#	3002+; 33+	
0034:444	3003 H; 44H	
0044: 554	3004 H: 554	1.12
1005#: 00#	3005#; 66 µ	Alverio119
006h: 77H	3006H:77 H	3111
007h: 88h	2007 . 77 H	
	3007# : 88 "	
108 H : 020H	3008+;004	
HAA: HCOO	3000 H : AAH	
OUTPUT	: ~	
_	gister: FOO2.	
, , , ,	U	