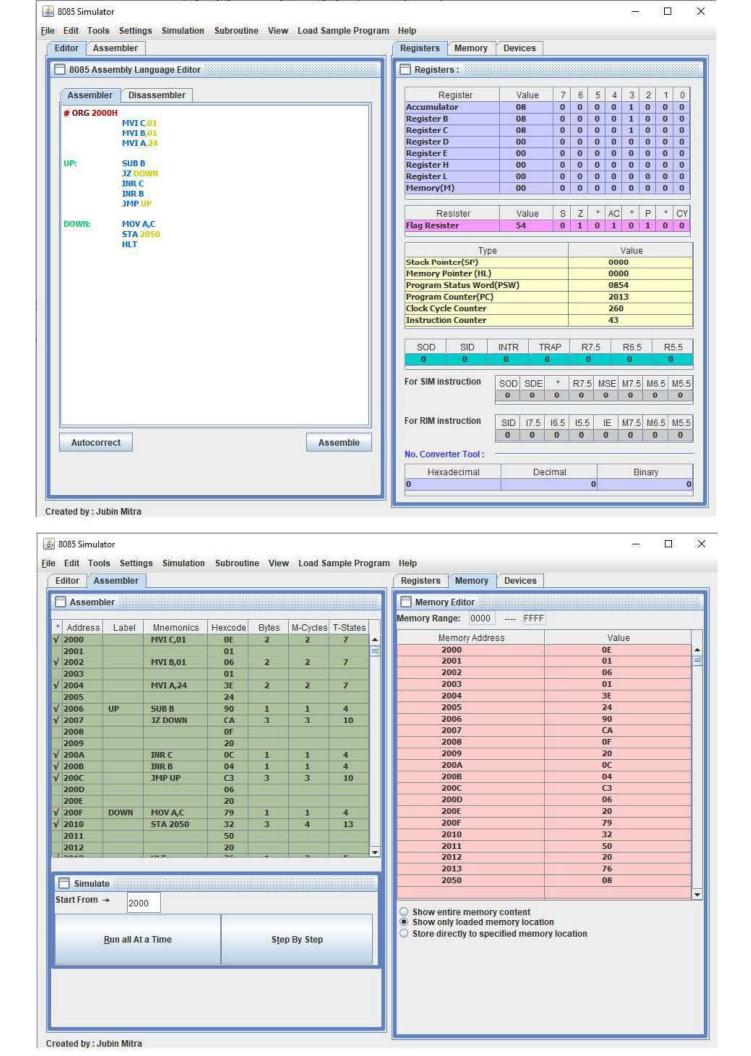
	CACHAR, ASSAM
	e
	LABORATORY EXCERCISE BOOK
	BOTECHO SEM.
	BOLECHO III DEM.
=	· · · · · · · · · · · · · · · · · · ·
elia i	NAME: SUBHOJIT GHIMIRE
	SCH. ID.: 1912160
	0000
	SUBJECT: MICROPROCESSOR LAB
<	CODE: EE224
2 2	
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	nort file
-	
-	

	PROGR	'MA	of the second second second	2264				
-								
	Address	Label	Mnemonico	Hencode	Comment			
	2000		MI C, OLH	OE	Place Of in register C			
	2007		1 8 . 1 .	- 0 <b>7</b> -				
Ŧ.	2002		MVI B, OL	06	Place odd number I in register B			
	2003			<i>or</i>				
	2004		MVI A, 24	3E .	Load 200. with given number 24.			
	2005		7	24	to a secondary to the s			
	2006	UP	SUB B	- 90-	Subtract B from the accumulate			
	2007	25.5	ZZ 2010	CA	If acc. content is O. jump			
	8008		·	. TO				
. 1 1	2009	0.3	S. N. 3	20 -				
	200A		INRC	-0C	Increment register C			
	2008		INRB	04	Increment odd number			
	200C		CINR B	04	Increment odd number.			
	200D		JMP 2006	C3	Jump back to label UP			
	200E			06				
	200F			20				
	2010	DOWN	MOV A,C	79	Mar contents of C to A			
	5078	-	STA 2050	32	Store the results in 2050 H			
× -	2012		1,8 3 8	50				
	8013	1 Ja 2	100	20				
	20174	HLT		76	Stop			
* * *	Marie Val	· 35 s	- 52 700	-				
	RESULT:							
<u> </u>		Inpu	t: A	- 244				
					2050H - 06H			
		•			THE PROPERTY OF THE PARTY OF TH			



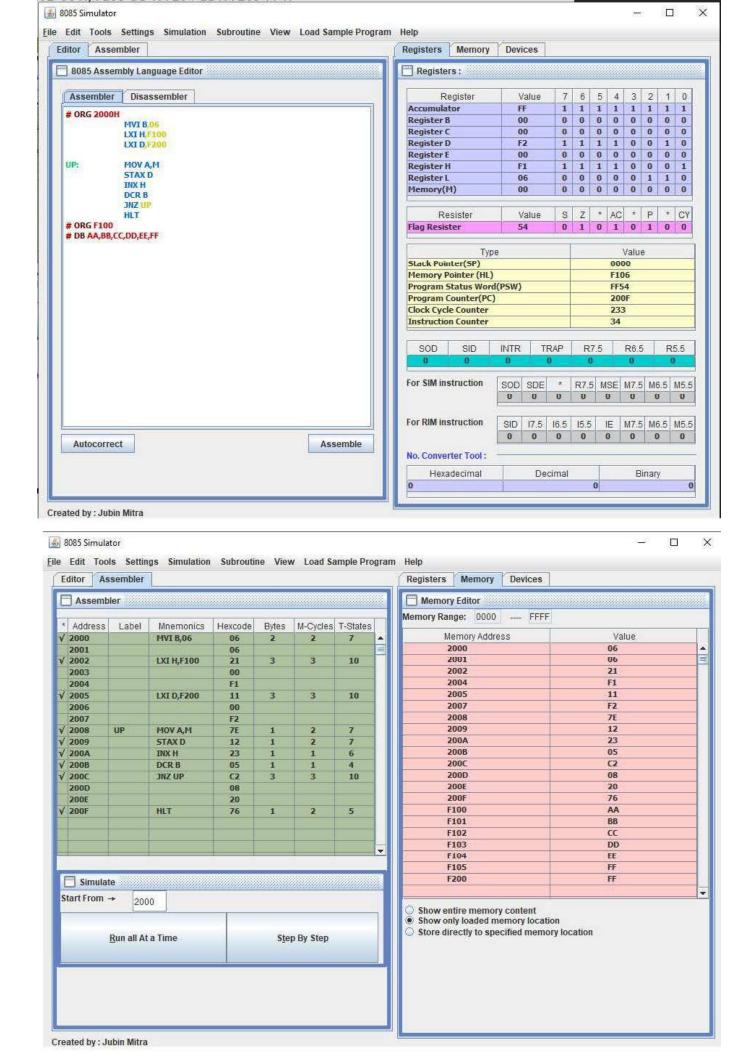
	Experiment-05
	AIM: TO MOVE A BLOCK OF DATA
	THEORY:
S	1. Place size of block in reg. B
	2. Load register pair HL with address FROOM FLOOH
<u> </u>	3. Load register pair DE with address F200H
	4. Move the content pointed by HL into accumulator
	5. Store the content of acc. into memory pointed by DE
Š	6. Increment address value of register pairs HL and
	DE by L.
	7. Decrement value of register B by I
	8. If zero flag is not equal to D, go to step 4.
	9. Stopman
	Vine 17 7 miles of 17 Avr. Joseph
	FLOWCHART:
_	(START)
	Prilialise count in Register B
	· Initialise HL as source memory pointer
	TWIETHER LIE ST SOURCE MENNOR DOING
	Initialise DE 25 destination memory pointer
_7	Get the byte from source memory block
1 615	
	Store byte in destination memory black
	Increment source memory pointer
	Increment destination memory pointer
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	Derement count
	TE COUNTED? NO
	TE COUNTER!
110	END
THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	

	PROGRA	W.		3 - 12 - V			
	Address	label	Mnemonics	Hencode	Comments		
			#ORG 2000H		V.		
	8000	6	MVI B,06	76	Place 06 in register B		
	-800T	£		06	A Land		
	2002		LXZ H, F100	27	PHEN Starting address into H		
-	2003			- 00	907		
0	2004	<u> </u>	-, - (	£7	and and a		
4.2	2005		LXI B, F200	07.	Load destination address into		
	2006	,	Same I	00			
	2007	120	V V - 20 3	£2	SAN COLOR		
00	8008	UP	MON A, M	7E	Move content of memory to 8		
	2009		STAX B	02	Move content of acc. to DE		
	200A		INX H	23	Increment HL pair address		
	2008		TNX B	03	Increment DE pair address		
	2000		OCR B	215	Decrement reg. Bby 1		
	2000		ZNZ 2008	C2	Jump until D=0		
	200E			08			
	2008	h	1	20	*		
y .	2010	1000	HLT-	76	Stop		
	-		HORG FLOO		Store block at address F		
	~ ~		# DB AA.B	B, cc, DD, Et	Get data from successive low		

RESULT:

FLOS-DDH, FLOY-EEH, FLOS-FRH

О UTPUT: F200- AAH, F201-BBH, F202-CCH F203-DDH, F204-EEH, F205-FFH



	cxpenment
AIM:	TO CHECK NUMBER OF L'S AND O'S IN GIVEN NO
THEOR	LY:
7. (	Clear registers C and D
	Take number into Accumulator.
	Counter 8 loaded in register B.
1	Rotate left through carry.
	Jump to Step 8 if CF=0
	D+L => D for 1's counter
7.	
8.	C+1 > C for 0's counter
۵.	B-1 = B
	Jump to Step 4 until B=0
	Terminate.
0.500	CHARTI
PLOVO	(START)
.,	Initialise counter D and C 21 both 0
	Interest tours
	Initialise counter B 80 0
	Get the number into the accumulator
	Elex tive timenty iville the secondition
	Rotate accumulator so that LSB goes into Earny
	NO - 70 2
	NO To carry = \$ ?
	Increment counter D
	Increment counter C
	1
1	Decrement counter B
	No

	PROG	100 DOM 0 DOM	Mnemonics	Hercode	Comments
	1,00.0		#0RG 2000H		
	2000		MVI C,00	0E -	Clears register C
	2007			00	5
	2002		MVI D,00	. 16	Clears register D
	2003		100	00	Jan F
	2004	-	MVI A, FO	- 3E	Takes number into accumula
	2005			Fo	- All and a significant
	2006		MVI B, 08	06	Counter & loaded in Bra
	2007		1310000	08	
	2008	UP	RLC	07	Rotate left through carry
	2009		ZNC 3010	Da	Jump if CF=0
	200A			70	100 1 -012
	2008			20	
	200C		INRD	14	Increments D for I's coun
	2000		2MB 50TT	C3	Unconditional Jump
	200E	~ 125	3	77	
	200F			20	
	2010	DOWN	INRC	00	Increments C for O's coun-
	2017	SHIFT	DCR B	05	Decrements B
	2012		ZNZ 2008	C2	true until B=0
2	2013	~ ~		08	
	2014	53	1	20	
	2015		HLT	76	Stops

RESULT:

Input: A - FOH; C-OOH; D-OOH Output: C-OUH; D-OUH

