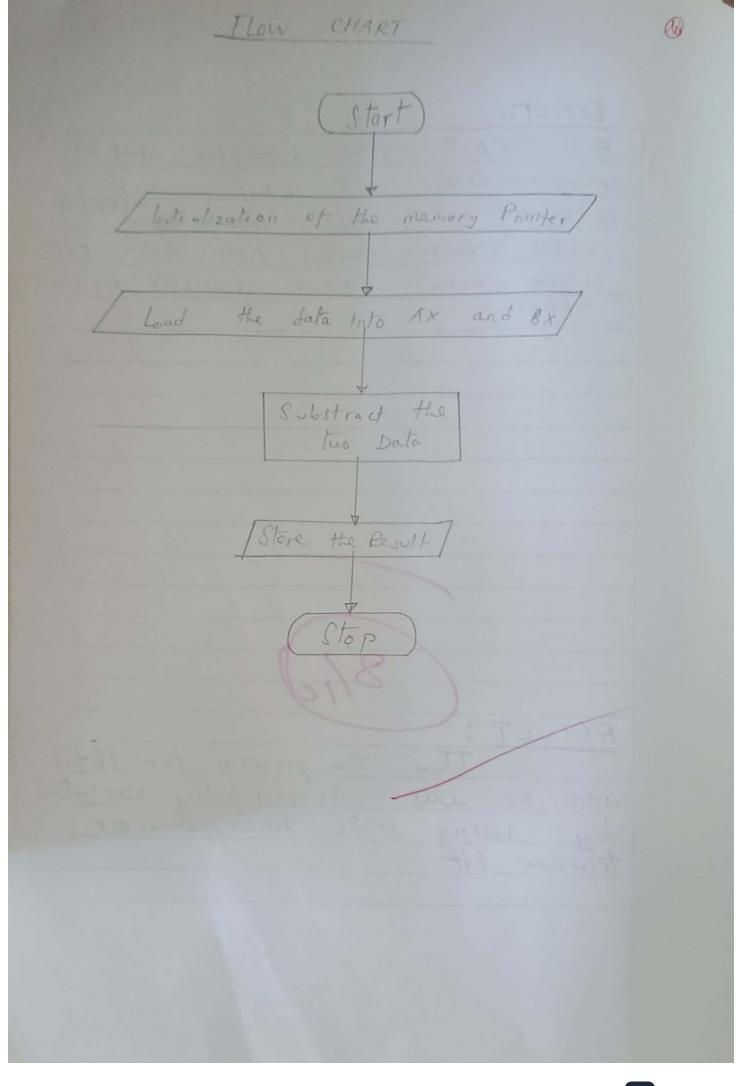


125	
At GORITHM 1. Start the program 2. Initialize the memory pointer 3. Load the data into Accumulation 4. Add the two Data 4. Add the two Data	
thank the stant of the stant of the stant of the stant of	
12	DATE O
000	EXP NO

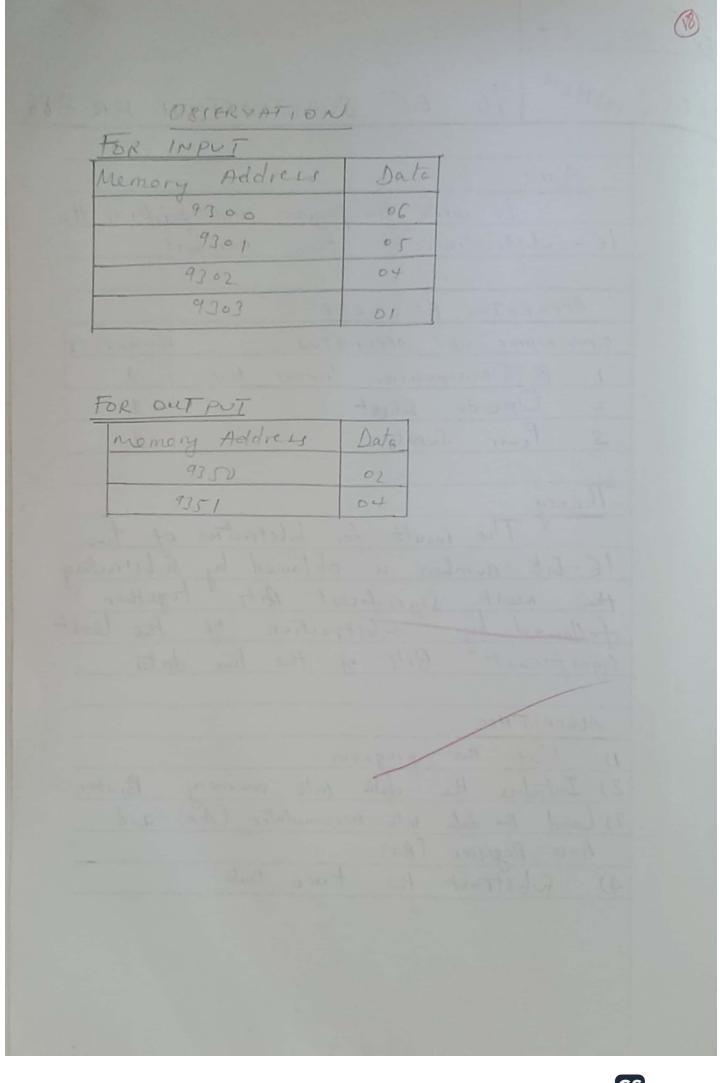
OBSERVATION FOR INPUT Address Data Memory 9300 06 9301 9302 01 9303 FOR OUTPUT Memory Address Data 9350 OA 9351

PROG		.,	
ADDRES			GMMENTS
8400	BE, 00, 93	MOV SI, 9300	Move 9300 Into SI
0 11 0			pointer
8 403	AD	LOD SW	Load 1st data into
0			Accumulator
8404	88,08	MOV BX, AX	Move Ax Value Into
8406			BX
8406	AD	LOD SW	Load 2nd data into
0.1.0			AX
	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN		Add Ax and Bx
8409	BF, 50, 93	MOVD, 9350	Load 9350 address
G III			Location to DI
8400	89,10	MOVI (DI)	
			and the program
8406	14	HLT	and the program
	10.00	British Asset	

	0
EXECUTION STEP	
AST DEDIT DSTARTING ADDRESS	DNEXT
MENTER ALL OPODE PRIT EDIT	PINPUT
PENTER ALL DATA PRIT FEXC	PG O -
- PENTER STARTING ADDRESS EXC	
ADDRESS DUFFER DUPL	LAT RESULT
(97)	
. (2/10)	
RESULT:	
Thus the program	for 16-bit
RESULT: Thus the program addition was successfull by using 8086 micropr trainer kit	y execute
by Using 8086 micropr	Scessor
træner kit	
- 22-	



EXP NO: 07 DATE = 13/7/016 16 - BIT SUBSTRACTION FOR 8086 Aim:
To write the program and perform the
16-Substraction of two numbers APPARATUS REQUIRED SINO NAME OF APPARATUS OVANTITY 1 8086 microprocessor trainer kit 2 Opcode Sheet 3 Power Supply The result for Substraction of two 16-6, to numbers is obtained by substracting the mest significant Bits together of followed by Substraction of the least significant Bits of the two data ALGORITHM 1) Start the program
2) Instalize the data into wemeny Pointer
3) Load the data into occumulator (AX) and Base Register (BX) 4) Substract the two Dola



PRO6	RAM		
ADDRESS	OPCODE	MNEMONIC	COMMENTS
8400	BE,00,93	MOVE , 9300	Move 9300 Into SI pointer
8403	AB	Low Sw	Load 18t data Into Accumulator
8404	88, D8	MOUBX, AX	
8406	AD	LOD SW	Load 2nd data into AX
8407	28,08	SUB BX, AX	Substract Ax and BX
8409	BF, 50,93	MOV D, 9350	Load 9350 address
			Location to by
840C	89,10	movI,(Di)	Store D, value to
			memory
840E	Fy	HLT	End the program
EXEC	UTION	STEP	
			APPRES DEXT ENTER
→RS7	T KOI	T- HNPU	T PENTER -
		AD DR	ALL DATA
RST	SC XC	→G o	PENTER STORTING ADDRES
EXC	RST	DEDIT-	DOUTPUT ADDRESS -
NG	XT	DISPI	LAY RESULT

	Date .
	Exercise to
ì	
	(8/12)
	PC (=
	RESULT Thus the program for 16-bit Substruction was & coess for lly written and executed by using the wicroprocesses trainer kit.
	Thus the program for 16-61
	Substruction use freezes fully written
	and executed by wino the
	aucroprocesses trainer kit.
	-30-