Name: Jayant Kumar Gupta Roll No – 2100290109006 Class Roll No – 69 CSE IV(B)

	CSE IV(B)
	Processing and Ala 1
	Experiment No1
	Objective:-
	Write a program using 8085 Microprocessor
	for Hexadecimal Addition of two numbers.
	Apparatus Required-
	8085 Development Kit.
	0000 Reversione Res
	O-cocaduxa.
	Procedure:-
	The following steps are required to implement
	the program-
1.	Enter the numbers at memory location 2501
	& 2502.
2.	The result is to be stored in the memory
~	location 2503.
2	Numbers are represented in Hexadecimal
	system.

	Hexadeci	mal Ha	(0017108)	sogram.	-		
	Memory	Machine	Mnemonics	Operands	Comm	nents	
-	2000	21,01,25	LXI	H,2501 H	thet addre	us of 1st no	
					in H-L		
	2003	7 E	MOV	A,M		Accumulator	
	2004	23	INX	Н	Incr. con	tent of H-L pe	
	2005	86	ADD	M		& 2nd number	
	2006	32,03,25	STA	2053 H	Store sun	n in 2503 1	
	2009	76	HLT		stop.		
	1						
	Result -						
	Before	2 8	execution	After &	execution	Values	
	Address		ft +#	Adda	eus		
	2501	Н	45 H	2601	Н	45 H	
	2502	Н	92 H	2502	Н	92 H	
	2503	Н		2503	H	89 H	

= 1	Experiment No2
M C	Objective:-
	Write a program using 8085 microprocessor for Hexaelecimal subtraction of two numbers.
	Apparatus Required-
	8085 Development Kit.
	Procedure-
	The following steps are required to implement the program -
1.	Enter the numbers at memory location 2501 & 2502.
2.	The result is to be stored in the
3.	memory location 2503. Numbers are represented in Hexaelecimal
	system.

Hexadecimal Subtraction Program:-

			1		
	Memory	Machine	Mnemonies	Operands	Comments
The same of the sa	Address	codes			
	2000	21,01,25	LXI	H, 2501 H	thet address of 1st no.
					in H-L pair.
	2003	7 €	MOV	A,M	Ist no. in Accumulator.
	2004	23	JNX	Н	Incr. content of HLpuir
	2005	90	SUB	M	Subtract 1st & 2nd no.s.
	2006	32,03,25	STA	2053 H	Store difference in 250
	2009	76	HLT		stop
					V

Result-

	Be fore	Execution	After Execution	Values
Address	Address			
	2501 H	92 H	2501 H	92H
	2502 H	USH	2502 H	45 H -
	2503 H		2503 H	2 F H