## ADDITION OF N NUMBERS

EXP No	O: 14
AIM: T	o compute addition of N numbers using 8085 processor.
ALGORITHM:	
1)	Load the base address of the array in HL register pair.
2)	Load the memory with data to be added.
3)	Take it as count.
4)	Initialize the accumulator with 00.
5)	Add content of accumulator with content of memory.
6)	Decrement count.
7)	Load count value to memory location.
8)	Repeat step 5.
9)	Check whether count has become 0.
10)	Halt.
PROGI	RAM:
LXI H,8000	
MOV C,M	
MVI A,00	
MOV E	3,A
LOOP: ADD C	
JNC SKIP	
INR B	
SKIP: DCR C	

INX H
MOV M,B
HLT
INPUT:
INPUT:
2
2
2 3 5
2 3 5 5
<ul><li>2</li><li>3</li><li>5</li><li>5</li><li>5</li></ul>

OUTPUT:

JNZ LOOP

LXI H,8007

MOV M,A



