**Experiment 4**

**Aim : To add two 10 byte numbers in 8086**

SARTHAK SEGMENT

MEM1 DB 00H,90H,80H,70H,60H,50H,40H,30H,20H,10H

MEM2 DB 00H,09H,08H,07H,06H,05H,04H,03H,02H,01H

RES DB 10 DUP (?)

SARTHAK ENDS

BHATIA SEGMENT

ASSUME DS: SARTHAK, CS: BHATIA

START:

MOV AX,SARTHAK

MOV DS,AX

MOV SI,OFFSET MEM1

MOV DI,OFFSET MEM2

MOV BX,OFFSET RES

CLC

MOV CL,0AH

UP: MOV AL,[SI]

ADC AL,[DI]

MOV [BX],AL

INC SI

INC DI

INC BX

LOOP UP

INT 03H

BHATIA ENDS

END START

END



