	Date 23/7/2020
Exp	t. No Page No (1BM19CS158)
4	Program to add two numbers in assembly language.
	· model small
	. data
	a db 10
	b db 20
	cdb?
	, code
	mov az, @ data
	mov ds, an
	mov al, a
	add al, b
	mov c, al
	mov ah, 4ch
	int 21h
	end.
2)	Program to add two numbers using dw directive
	· model small
	· data
	a dw 1234
	b db 25
	c dw?
	code
	mov an adata
	mor ds, ax
_	mor bl. b
	add an, bn
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(1BM19CS158) mov c, an mov ah, 4ch int 21h end. 3) Program to multiply two numbers for dw directive.	
mov ah, 4ch int 21h end.	
mov ah, 4ch int 21h end.	
end.	
3) Program to multiply two numbers for dw directive.	
· model small	
, data	
a dw 2345h	
b dw 4521h	
c dw 2	
d dw?	
· code	with the second
mov ax, a data	
mov ds, an	
mov ax, a	
may bx, b	
mul ba	
mov C, a2	
may d, dx	
mov ah, 4ch	
int 21h	
end.	
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		Date
Expt. No	(18M19 CS 128)	Page No4
rdw ?		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
· code		
mov ax, Qo	lata	
mov ds, ax		
mov an, a		
mov bx, b		
add bx, az		
mov ax, d		
sub ba, an		
mov c, bx		
mov ah, 4c	h	
int 21h		
end		
6) Program to subtra	ct two numbers (dB) (A	ssembler directive)
· model small		process for a firm
· data		
a db 30h		
b db 25h		
c db ?		
, code	*	
mov an @da	ta	
mov ds, an		u u
mov al, a		
mov bl, b		
sub al, bl		
mov c, al		
mov ah, 4ch int 21h		iture
end.	gol seid upul s	er - Can - M

			Date	
Exp	t. No (1B)	MT4 (2 T28)	Page No5	_
7)	Program to solve: (a+b) * ((+d) / (b+d); a = 245	, b = 25, c = 34, d=	<u>-50</u>
	·model small			
	. data			
	a dw 245			
	b dw 25			
	c dw 34			
	d dw 50			
	41 dw 2			
	n2 dw ?			
	n3 dw ?			
	quo db ?			
	nem db?			
	·code			
	mov an, @ data			
	mor da, aa		a service of the	
	mov ax, a			
	mor ba, b			
	add az, bz			
	mov 41, a2		-	
	mov an, c			
	mov brid			
	add an, bx			
	mov 42, an	ALL SHOULD BE SHOULD BE		
		Teacher's Signature _		

	Date
Expt. No (1BM 19 CS 158)	Page No 6
mov an, b	
mov ba, d	
add ar, br	
mov x3, ax	
mov an, x1	
mul x2	
div nz	
mor quo, al	
mov rem, ah	7 2 A 9 A 1 DOD 1
mov ade, ah, 4ch	
int 21h	
end.	
8) SWAPPING:-	
emodel small	
data	
a db 10h, 20h, 30h, 40h, 50h	
bdb 11h, 22h, 33h, 44h, 55h	
•code	
mov an, a data	
mov ds, an	
lea Si, a	
Lea di, b	
mov closh	
L1: mov al, [si]	
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dec si

end.

Loop deciadd

int 21 h

mor ah, 4ch

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		Date
Expt. No	(18M19CS158)	Page No. 8
10) Use of daa:		
·model small		
· data		X
· code		
movan, a data		
mov ds, an		
moval, 63h		
add al, 88h		
daa		
mov ah, 4ch		
int 21h		
end		
8		
	*	
	Teacher's Sign	ature