Prince St. States		
	(Serventer)	
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University :		
	Sundaram	
	Books for Success	
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This is to certify the	at the work entered in this journa	11 15 010
Kumar / Kumari		
who has worked	for the 1st / 2nd / both Term	n(s) of
	college laboratory.	
	college laboratory.	
Professor-in-charge		Head of
ate:		

A027 FMP EXP-2 Aim: to perform airthmetic operations addition, subtraction, m. liplation and division. They all operators are performed on the operators are performed # Airthoche Group i) Addition Multipliation Addition's A00 ADC INC DAA AAA ADD'. Add byte or word ! adds a number from source to destination Mnemonia: ADD Destination, source.
ADD Operand 1, operand 2 FOR EDUCATIONAL USE

Flowchat cet 2nd not Add two numbers display the result ! Ottat. - code MOV mov MOV

WAP: addition of two 85st numbers Algorithm : Initialize the data segment

Cet the first number in AL register

get the second number in BL register

Add the two numbers

Display result Program' . model small · data a db OLH - code mor ax, a duta ; initizhez duta seguer nov ds, ax ; low no. 1 ina mov al ; lood no. 2 is 51 nov b add numbers and sent incl mov a FOR EDUCATIONAL USE

-	
	mov Ch, OZH; cant of distrib to by displand in mov Cl, oht; count to rall by 5575
	mov dl, bb ; lood dl with date to displayed ond dl, of it get soly leb comp dl, of crypif digit on or A-F
	3th thornly and 304 19: add d1, 304
	mv ab,02h int 21H decch
	792 IZ mov ab, nCM Mt 214
	and
2)	Sistarhon SOB DAS AAS
2	DEG NEG CMP FOR EDUCATIONAL USE
3	TOTAL COS

Flowchot Daply ross Stop 0 - code mov Mer MOV nov mor

E	Algorithm
1/2/2/2	Initialize the duter segment get the first number in Ax xyster get the second number in Bro agricus Add two numbers apply result.
	program!.
F	model small
	data
	a 25 02 h b d5 02 h
	mor ar, adata mor di, ux
	mov 91, a mov 31, b 5-5 91, b
	mov ch, 02h
	mer bbjal

FOR EDUCATIONAL USE

atat o i when project in the 1300 2 29 notmen out per. - 12-202 plas i Home Johan. Stab. de A (026 0 Je de obo ax, @data Xacle 20 Vin

12: 60 bb, (1 mov dl, bh and dl, 044 cm p dl, 09 Jbe 14 add dl, 07 is: ald d1,30h decch Jn Z 14 mu ab, 504 end WAP for addition of two 16-6it pumbers. Algorithm". 1) Initialize the duty segment
2) cet 1st no. in Ax segister
2) get 2nd no. in BX segister
4) Add two number
5) Display vesilt. 1 FOR EDUCATIONAL USE

140,16 Vm 0-10-1.3 50 105,16 6to 41 5 1 Kg - (00 3 Mer mer 1 + 21h 910 Mor d Markell When mov (MV d Long R. Alab St. Afor you and SALAN TANK emp di By too add 11 LON

-	
-	model small
-	adu ooolh bdw ooolh
-	bd 200) h
	- code
	mu ax, @ duta
	mv ds, ax
	mov ara
	mer dra mer br, b
	and anbx
	mor chiops
	Mov () obb
	mov by, ax i2: vol. by, a
200	
	and disofh
	and dijoth
1	emp d1,09
	The 14
	The in add dl, of
5	FOR EDUCATIONAL USE

is: add d1,30h mv ah,02h' int 21h dech Jn2 12 ist 12 nov as, sch 171216 end WAP to subtrat furth-but numbers. Algorithm get 2nd No. in BX xxy13ter

schlict two numbers. stop rosult -model small ·data FOR EDUCATIONAL USE daram

add dl 30h Alexa Land output: -1 - Co 415/40 Mo mor acto tid Stort frost dus of Nov Mov NEX SETTEN and all We Down There you gal JbC-i +1 -

-motel adw ooolb bdw 00025 - Code mer ap, @ dute nov ds, ax mer drig mer bx, b atd /2 seb ax, bx nov choush Mov Chobb mov bx, ax 12:101 bx, cl my do, bx and all josts 56E 15 add 11,07 is: add d1,365 mor 95,025 intelly de ch

jnz iz nov ah, hoh 14t 45 ond 3) Multiples, hor: AAM this partruton multiplies on unsigned byte from source with on lite in the Al register or an unsigned word from source with on unsigned word from source with when aboute is multiplied by contents of AL, The LSB of result is standin All register and Mremore: Mul Multiplier WAP: ml liplication of two 8 bit number. FOR EDUCATIONAL USE

Flowelast SHART get 1st no. get 2nd no. 204 2 (1.4) 100 mulhply toons. Display result Steph to who wild began in adoption of Style of the Style MSB OF VESTILIAN PORTS

P. Algorian: get 2nd no. in Ax segister
get 2nd no. in Bx segister
Multiply two number
stop display result. · model small ,dota 5 db 02h -code nov ax, @ data mov al, a mor 31, b mov ab 102h mov & 5,026 mor (1,04h mov 55,41 12: vol 55,11 FOR EDUCATIONAL USE

0	
H.	
-	11 1 1 1
I	mv d1, bh
	and dloth
-	ond dl, ofh cmp dl, of The 15 add dl, o7
1	The 15
T	949 41,07
E	
1	is = add d1,30h
1-	int 21h
-	decch
-	J0711
+	
	nov ab, uch
41	mov ah, 4ch
NE	
14	end
9) Division!-
	02V
4	FOIL
1	AAN
	CBW
	(wy)
1	the instruction divides on uncomed byte from the
	120 13 140 151 151
	source with an byte in the At orgister or an
	unsigned word from source with an unsigned word in
	Ax
30	FOR EDUCATIONAL USE

22 16 Audat and two runders | d so, 1 Display result end 11 1 + M. ba 1 edata

My monit: Div mit dir mil Hiplier! WAPL- dission of two 8-61+ number. Algorithms 1) Litable data segret
2) get divided in AL segres
3) get divisor in B2 register
1) clear the Ad segreter
2) divided the number display result end program mode smoll -duta 9 du 08h -code Mer AD, a duta Gov ds, ax MOV 3 x2 x mor by, b div. b) 3 FOR EDUCATIONAL USE

The word of Summy The sast to receive to grant general solutions of the state son the My Heller 7 1528 Rolling Home lot Parl

my choth h nov dr, br cmp dl,09 ibe in add dlot is: 12d & d1,30h Mt 21h dec Ch JAZIL mov dh, 4ch MAZIA end Conclusion! - Here my successfully performed another openions on 8 bit and 16 bit dute.