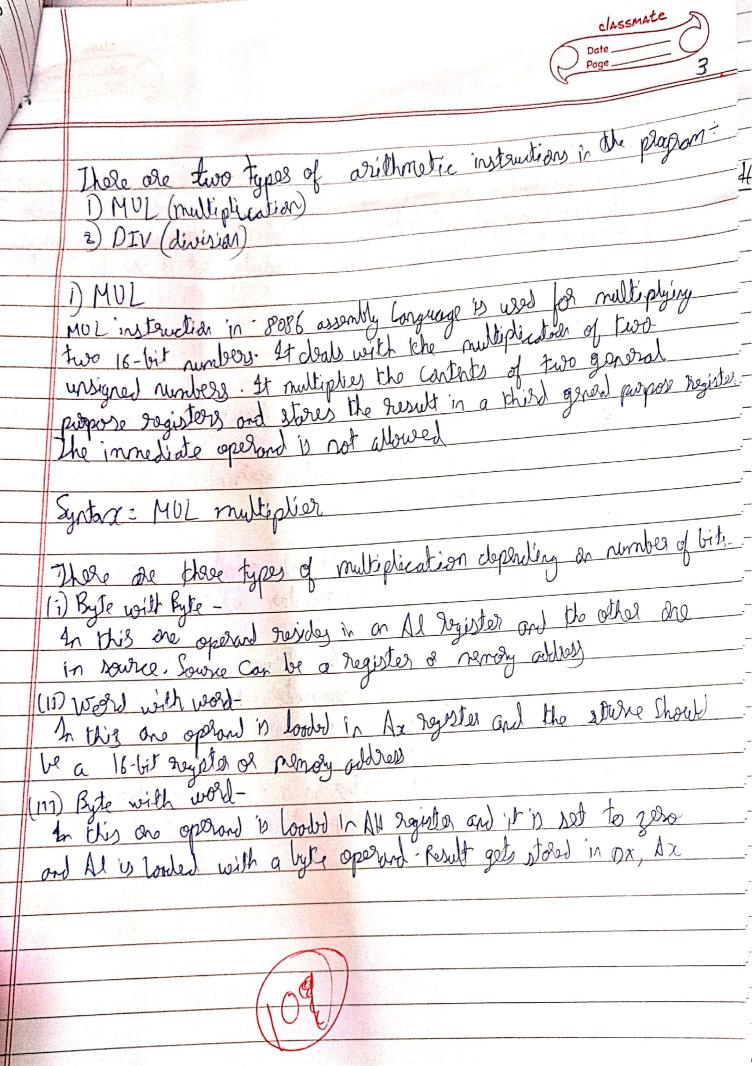


1 2
Carl Walt cook would be
digits number by 2-digit number list and Suplain arithmetic hetructions
and a man of a man of the man of
1/20/1-
assume .cs:code, ds:data
data Segment
a .dw 2048H
b dw 64H a, dw 01 dup (?)
a ₂ dw 01 dup (?)
a3 dw 01 dup (?)
a4 dw 01 dup (?)
date ends
Corle Segment
Stati .
nov Az, data
mov Ds, Aa
mou Az, a
mov By, b
Mul Ba
mor a, Da
mov 92, Anx
More Anc, a
mor Bx by
Piro Ba
Mov 93, Da
mor ay, Ax
mov AH, 4°CH
INT 21H
end start
Juannea With Ja

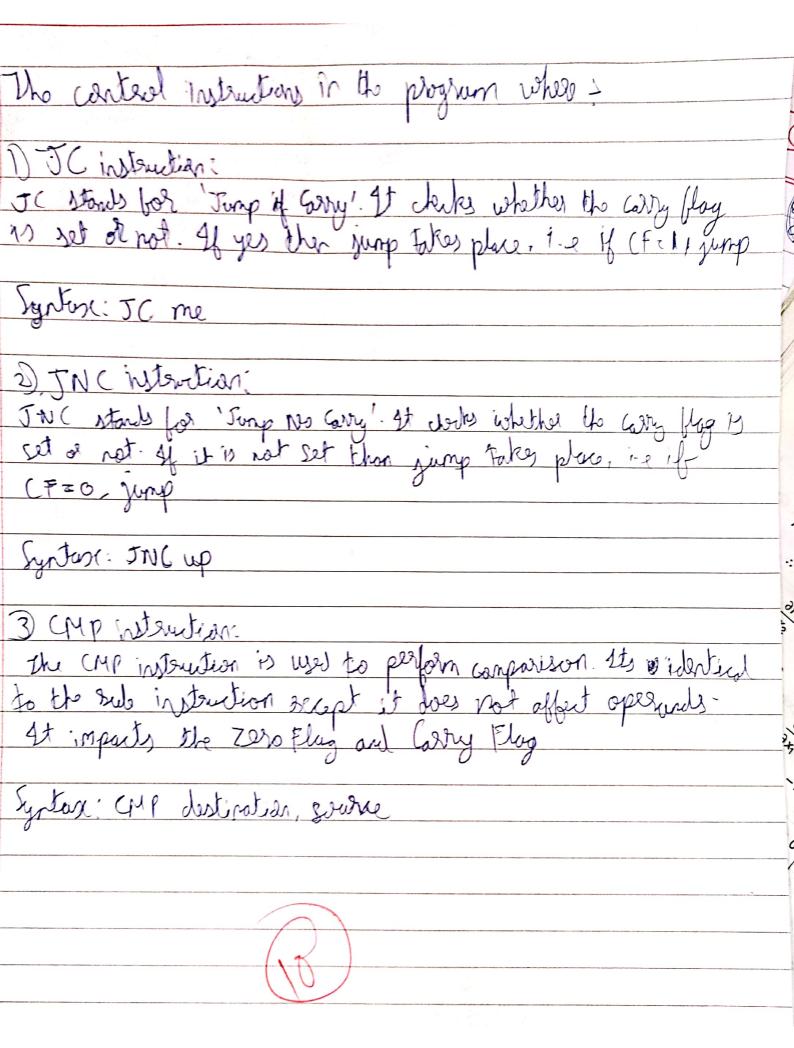


DIV instruction in 8086 assembly larguage performs the division of two unsigned operands. The deruminates resides in a source operand and it should not be immediate. But it can be register or a memory location. Syntage: DIV dividend There are four types of division depending or number of bits:-In this the reminator and decommenter operands use buts. The naminator nesides in Al and Alin set to get In thes, the dox register holds the number After division, the guardent in Dr. register and remainder in Dr. register Low Atien boy (6 3) wird with byte = In this, the numeralor is 16-bit word stored in An which is divided with an 8. bit denominator. After division Al containts the quotient and AH tantain seminder 4) Double word by word: It this use the runnerator is a 32 bit number and developments 45 16 bit number. As and by stores numerator.

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63	Weste 8086 assembly longuage program to find the smallest largest number from a given set of numbers using Look consition. Use one septicin control instructions
42	number lean a give not of unlarge using 100 Carlitar by
	and sent in control instructions
70 J. C. C. C.	ora syptom strong proprietory
	And: DEOR the smallest number:
	The state of the s
	assume (s:colo, ds:data
	data segnent no de .67H, 55H, 12H, 21H, 72H, 89H, 93H
	a db 01 dup(?)
	data ands
	codo Segnent
Live y	Start: mor Ax, data
	nov ps, Az
	nov Ca, of H
	Lea Si, no
	now Ah, [si]
=	INC Si
	Lup: mov AL, [Si]
<u> </u>	CMP Ah, Al
- <u> </u>	mor Ah, Al
****	down: IN C Si
	Loop up
	mov a, Ah
	mor AH, 4CH
	INT 21H
	Code lub
	201 stat

2) For the largest number
2) For the largest number Mg:-
assume cs: code, ds: data
ilatu Segnert
no do . 91H, 57H, 71H, 05H, 90H, 85H, 71H
b db 01 M dup (7)
data Indy
Codo serment
Code segment Start: mor Ax, dota
mov Ds, Az
may (x, 051)
lea Si, no
mor Ah, (Si)
JNC Si
up: may de, [si]
CMP Ah, Al
JN(.down
mor Ah Al
down: INC Si
Loop up
mor AH, 4CH
Tot 2111
INT 21H
Code ends
Ind start



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