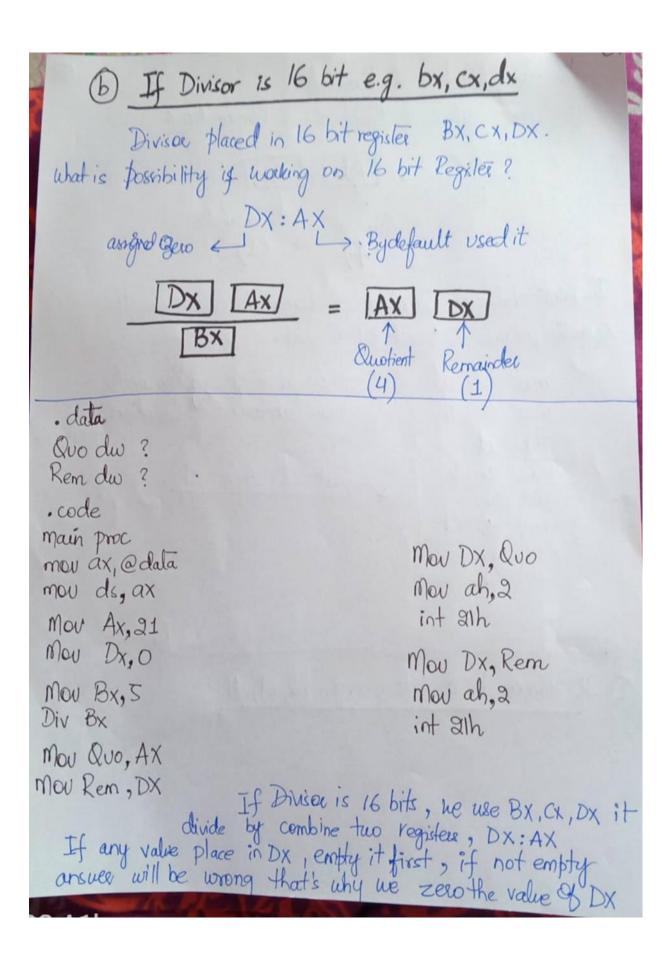
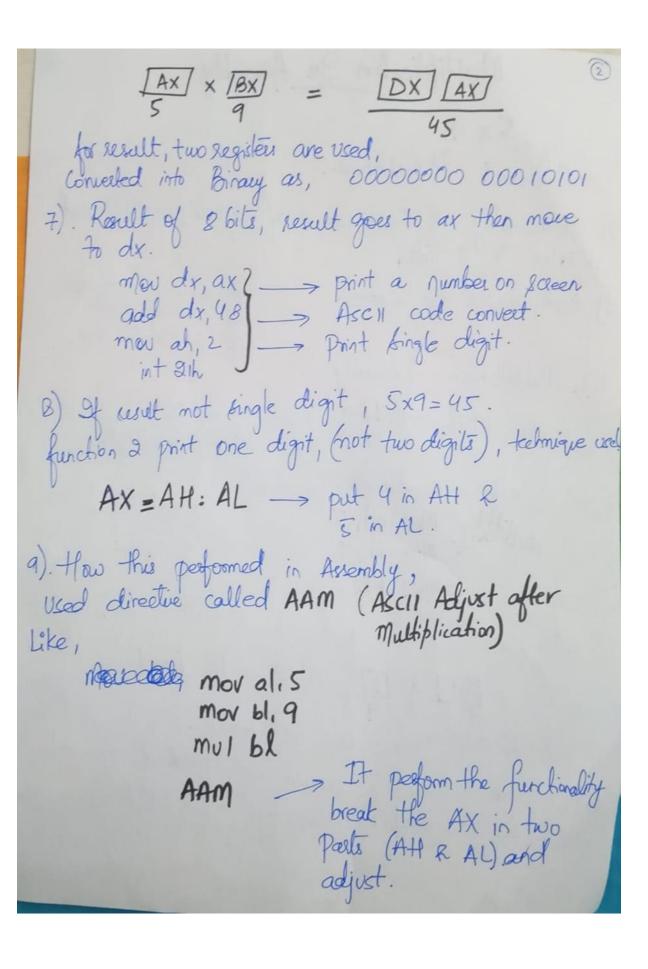


We have Quotient of Remainder, How point values à Quatient l'Remainder? To print value of Quotient & Remainder, we use the register, more it, used of Kegista. mov ch, ah mov at to ch Remainder mov ch, ah mov at to ch Quotient mov dl, cl? mov ah, 2 Frint first cl then ch. mov all, ch Print first cl then ch. nov ah, 2 9 Divisor is 8 bits, e.g. bl, cl, dl



## Divide program & Point Quotient l Remainder · dala 9 db ? → Variable define for quotient & Remainder Y db ? · code main proc mou an, edala mon ds, ax mov ax, 27 → Dividered go to ax, 27 → Divide go to bl, 5 → Divide command (divide guen). mou 61,5 div bl -> move quotient (al) to 9 mou q, al -more remainder (ah) to r mor r, ah - Now print Both mor de, 9 moves q to all add 21,48 result not in ASCII code b/c we direct more value here. Add 48 in mou ah, 2 all the number convert into ASCII code. int 21h moudlyr add dl, 48 mov ah, 2 int 81h mor ah, 4ch int 81h main endo end main

	Multiplication 9n Assembly.
	multiplicand > Multiplier.
	1) In assembly of Multiplier is of 8 bite, multiplicand is also 9 8 bits,
	2) Both should be same. Multiplicard - Multiplier AL - BL, CL, DL
-	3). Multiplication in Assembly. AX - BX, CX, DX.
	Keyword multiplier value of multiplier.  (BL, CL, DC, BX, CX, DX).
	4). Example of Multiplication for 8 bits.
	4). Example of Multiplication for 8 bits.  Mov al, 5 -> 5 moves to al  Mov bl, 9 -> 9 11 bl.
	MUI 61
	5). In case of & bits, put 5 to al f 9 to bl
	[al] x [b] sesult go to [AX]
	put Ax to Dx & print the result.
K	3) In case of 16 bits, result not handled by single
	segistée, we used two registers DX & AX,
6	DO A1k



10). After writing AAM, 4 goes to AH & 5 to AL. 3

11). We have to store it in another vegisler to save

the value.

mow ch, ah

mow dl. ch

add dl. 48

mow ah, 2

int 31h

Mow all d

add dl, 48

mow ah, 2

int 91h

Code to pr Multiply two number & print the product · code mov al, 5 mou 61,9 mul bl AAM mou ch, ah mov cl, al mor dl, ch add 21,48 mov ah, 2 int 21h mov al, d add dl, 48 mor ah, 2

int 21h

int 21h

mer ah, 4ch

main endp

end main