47447			Array			
Program A	Program 6	Program C	Program D	Program E		
a db 100 dup(?) code Mov AX,@data Mov DS,AX Lea Sl,a Mov CX,5 Mov AH,1 L1: Int 21h Mov [SI],AL Inc SI Loop L1 Mov CX,5 Mov AH,2 L2:Dec SI Mov DL,[SI] Int 21h Loop L2 Mov AH,76 Int 21h	Program & .model small .data a db 100 dup (?) .code Mov AX,@data Mov DS,AX Mov SI,0 Mov AH,1 L: Int 21h Mov a[SI],AL Inc SI Cmp SI,5 JL L Mov SI,0 Mov AH,2 K: Mov DL,a[SI] Int 21h Inc SI Cmp SI,5 JL L Stop End	model small data a db "Give" db "letter:\$" c db "next\$" code Mov AX,@data Mov DS,AX Lea DX,a Mov AH,9 Int 21h Mov AH,1 Int 21h Mov BL,AL Add BL,1 Mov AH,9 Lea DX,c Int 21h	Program D .model small .data a db 100 dup(?) .code Mov AX,@data Mov DS,AX Lea SI,a Mov CX,5 Mov AH,1 L1: Int 21h Mov [SI],AL Inc SI Loop L1 Mov CL,36 Mov [SI],CL Mov AH,9 Lea DX,a Int 21h Mov AH,76 Int 21h End	Program E model small .data a db 69,70,75 b dw 25665 db 80,98,36 .code Mov AX,@data Mov DS,AX Mov AH,9 Lea DX,a Int 21h Lea SI,a Mov CH,71 Mov CL,72 Mov [SI+1],CH Int 21h Mov [SI+4],CX Int 21h Add DX,3 Int 21h Stop End		
End Dragger A: Peads	•	Stop End	andan Las CL	way ha manlagad by	May SI affect a	
Program A: Reads 5 letters. Prints them in opposite order. Lea SI,a may be replaced by Mov SI, offset a. Program B: Reads 5 letters. Prints them again. In place of SI one may use DI or BX also. @data may be replaced by dgroup. Program C: Reads a letter and prints the next letter. Here proper help for input/output is given. When AH=9 then Int 21 prints a sequence of letters pointed by [DX], [DX+1] till a letter \$ (ascii 36) is found.						

Program D: Read 5 letters. Print them again. Mov [SI],CL may be replaced by Mov [SI],byte ptr 36. Program E: EFKAdPb EGKAdPb EGKAHGb AHGb Mov [SI],byte ptr 74 JFKAdPb (word ptr) J KAdPb

- Read 10 letters. Print them again by leaving alternate letters. Input qwertyuiop output qetuo. Read 10 letters. Print only capital letters. Input qFeRtyGiop output FRG.
- Print by replacing capital by small. qFeRtyGiop → qfertygiop
- Replace capital by small and small be capital. qFeRtyGiop → QfErTYgIOP
- Read 9 letters and a digit (x). Output x^{th} letter. wqrtyuicd3 \rightarrow r.
- Read a number (n<9). Read n letter and output them in reverse order. $3sdr \rightarrow rds$ $5aswer \rightarrow rewsa$
- 7. Read 5 letters. Let these be qwert output Print (A)qwert,qwer,qwe,qw,q (B)qwert,wert,ert,rt,t
- In following programs use only one loop (unless permitted). Printing using AH=9 not AH=2.
- 8. Read 10 letters. (A) Print only first 5. (B) Last 5. (C) 3, 4th, ..., 7th
- 9. Read 10 letters. (A) Print them in reverse order. (B) Print alternate letters. (C) print only capitals.
- 10. Read 9 letters and a digit (x). Output first 'x' letters. wqrtyuicd3 \rightarrow wqr. (B)Letters after xth letter. tyuicd. 11. Read 5 letters. Let these be qwert Two loops (A)qwert,wert,ert,rt,t, (B)qwert,qwer,qwe,qw,q
- (C) qwert,wert,ert,rt,t;qwer,wer,er,r,;qwe,we,e,;qw,w,;q,; (three loops) 12. Let string has number of words. Read letters till 'Z' is given. Output first word. [Hint: replace first
- blank (ascii 32) by '\$']. Let string be "ram prasad kumar deyZ". Output is ram. [fsd er t q w eg \rightarrow fsd] 13. Print last word Dey,eg. (B)Print 2nd word (prasad,er) (C)Last word in reverse order (yed,ge)(2/1100p).
- 14. Delete first word. prasad kumar dey er t q w eg
- 15. Make first letter of every word capital. Ram Prasad Kumar Dey Fsd Er T Q W Eg
- 16. Delete last word. [replace last blank by '\$']. Output ram prasad kumar fsd er t q w.
- 17. Output entire string except first word. Let 'p' is the length of first word. Add (p+1) to DX. 18. Program reads 5 letter (let qwert). Program outputs them as 1th letter=q 2th letter=w ... 5th letter=t use two loops (A) AH=2 permitted for printing (B) AH=2 permitted (once) (C) AH=2 not permitted.