

Anagrammatic

This is a simple anagram jumbler. There are few things more infuriating than staring blankly at crossword clues, unable to de-jumble the letters. This little program will hopefully get your brain ticking again with some fresh ideas on how to unscramble the problem.

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10 REM ANAGRAMMATIC
20 REM @ H.WALWYN
30 MODE 1: BORDER 0: INK 0,0: INK 1,24: INK
2,20: INK 3,6: PAPER 0: PEN 3
35 FOR x=1 TO 7: WINDOW #1,1,40,1,25: NEXT
40 DIM B$(10),C$(10),Q(10)
50 REM
60 PEN 1: PRINT TAB(15): PRINT "ANAGRAMM
ATIC": PEN 3
70 LOCATE 1,5: PRINT "IF YOU ARE A CROSSWO
RD ADDICT YOU WILL KNOW THE PROBLEMS OF
TYPING TO REARRANGE LETTERS"
80 PRINT: PRINT "FOLLOW THE INSTRUCTIONS
AND THEN SIT BACK AND WATCH THE SC
REEN AS EVERY POSSIBLE COMBINATION RUNS
UP BEFORE YOUR VERY EYES."
90 PRINT: PRINT "THE AIM IS NOT TO LOOK AT
EVERY GROUP, BUT SIMPLY TO GLANCE AT T
HE SCREEN OCCASIONALLY AND YOU MAY
WELL GET SOME INSPIRATION."
100 PRINT: PRINT "ALTERNATIVELY,
PUT IN A PRINTER SUBROU
TINE FOR COPY."
110 LOCATE 11,23: PEN 2: PRINT "PRESS ENTER
TO START": PEN 3
120 IF INKEY$ <> CHR$(13) THEN 120 ELSE CL
S
130 LOCATE 14,2: PRINT CHR$(24) "ANAGRAMMA
TIC": PRINT CHR$(24)
140 LOCATE 1,5: PEN 2: PRINT "TYPE ONLY THO
SE LETTERS WHICH ARE TO BE REARRANGED.":
PEN 1
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145 LOCATE 1,8: PEN 3:PRINT"DO NOT INPUT
  ANY LETTERS WHOSE POSITION IS KNOWN.";:
PRINT:PEN 1
150 INPUT A$: IF A$="" THEN 150
160 PRINT
170 L=LEN(A$)
180 ERASE B$,C$,Q
190 DIM B$(L),C$(L),Q(L)
200 FOR X=1 TO L:B$(X)=" ":C$(X)=" ":NEX
T
210 PRINT CHR$(24)"ARE ANY LETTERS/SPACE
S KNOWN? [Y OR N]?:PRINT CHR$(24)
220 Z$=INKEY$: IF Z$="" THEN 220
230 IF Z$="N" OR Z$="n" THEN K$=STRING$(
L,"-"):W=L:GOTO 290
240 IF Z$<>"Y" AND Z$<>"y" THEN 220
250 PEN 2:PRINT:PRINT"TYPE IN THE KNOWN
ORDER AS PER EXAMPLE          [ E.g. '---
E-F -EE' ]":PEN 1
260 INPUT K$:W=L
270 T=0: FOR J=1 TO LEN(K$): IF MID$(K$,J
,1)="-" THEN T=T+1
280 NEXT J: IF T<>L THEN GOSUB 540:GOTO 2
60
290 PRINT STRING$(40,"-")
300 GOSUB 520
310 FOR J=W TO L
320 K=1
330 Q(K)=1
340 IF B$(Q(K))=" " THEN 450
350 C$(K)=B$(Q(K)):B$(Q(K))=" "
360 K=K+1
370 IF K<=J THEN 330
380 A=1
390 FOR S=1 TO LEN(K$)
400 IF MID$(K$,S,1)="-" THEN PRINT C$(A)
;:A=A+1:GOTO 420
410 PRINT MID$(K$,S,1);
420 NEXT S:PRINT,
430 K=J
440 B$(Q(K))=MID$(A$,Q(K),1)
450 Q(K)=Q(K)+1
460 IF Q(K)<=L THEN 340
470 K=K-1

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480 IF K>=1 THEN 440
490 NEXT J
500 PEN 2:PRINT"THAT'S ALL! - PRESS [EN
TER] TO RESTART. ":PEN 3:GOTO 120
510 STOP
520 FOR N=1 TO L
530 B$(N)=MID$(A$,N,1):NEXT:RETURN
540 PRINT:PRINT CHR$(24)" ERROR RE-TY
PE.":PRINT CHR$(24):RETURN
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