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1
2  #include <iostream>
3  #include <string>
4  #include <map>
5  #include <iostream>
6  #include <stdio.h>
7  #include <string.h>
8  using namespace std;
9
10 char matriuA[3][2]={{'.',' '},{'.',' '},{'.',' '}};
11 char matriuB[3][2]={{'.',' '},{'.',' '},{'.',' '}};
12 char matriuC[3][2]={{'.',' '},{'.',' '},{'.',' '}};
13 char matriuD[3][2]={{'.',' '},{'.',' '},{'.',' '}};
14 char matriuE[3][2]={{'.',' '},{'.',' '},{'.',' '}};
15 char matriuF[3][2]={{'.',' '},{'.',' '},{'.',' '}};
16 char matriuG[3][2]={{'.',' '},{'.',' '},{'.',' '}};
17 char matriuH[3][2]={{'.',' '},{'.',' '},{'.',' '}};
18 char matriuI[3][2]={{'.',' '},{'.',' '},{'.',' '}};
19 char matriuJ[3][2]={{'.',' '},{'.',' '},{'.',' '}};
20 char matriuK[3][2]={{'.',' '},{'.',' '},{'.',' '}};
21 char matriuL[3][2]={{'.',' '},{'.',' '},{'.',' '}};
22 char matriuM[3][2]={{'.',' '},{'.',' '},{'.',' '}};
23 char matriuN[3][2]={{'.',' '},{'.',' '},{'.',' '}};
24 char matriuO[3][2]={{'.',' '},{'.',' '},{'.',' '}};
25 char matriuP[3][2]={{'.',' '},{'.',' '},{'.',' '}};
26 char matriuQ[3][2]={{'.',' '},{'.',' '},{'.',' '}};
27 char matriuR[3][2]={{'.',' '},{'.',' '},{'.',' '}};
28 char matriuS[3][2]={{'.',' '},{'.',' '},{'.',' '}};
29 char matriuT[3][2]={{'.',' '},{'.',' '},{'.',' '}};
30 char matriuU[3][2]={{'.',' '},{'.',' '},{'.',' '}};
31 char matriuV[3][2]={{'.',' '},{'.',' '},{'.',' '}};
32 char matriuW[3][2]={{'.',' '},{'.',' '},{'.',' '}};
33 char matriuX[3][2]={{'.',' '},{'.',' '},{'.',' '}};
34 char matriuY[3][2]={{'.',' '},{'.',' '},{'.',' '}};
35 char matriuZ[3][2]={{'.',' '},{'.',' '},{'.',' '}};
36
37
38
39 void showFila (char matriu[3][2], int fila){
40     cout<<matriu[fila][0]<<" ";
41     cout<<matriu[fila][1]<<" ";
42 }
43 void copyMatrice(char original [3][2],char copia [3][2]){
44     copia[0][0]=original[0][0];
45     copia[0][1]=original[0][1];
46     copia[1][0]=original[1][0];
47     copia[1][1]=original[1][1];
48     copia[2][0]=original[2][0];
49     copia[2][1]=original[2][1];
50 }
51 void brailleLetter(char letter,char matriu[3][2]){
52     switch(letter){
53         case 'a': copyMatrice(matriuA,matriu);break;
54         case 'b': copyMatrice(matriuB,matriu);break;
55         case 'c': copyMatrice(matriuC,matriu);break;
56         case 'd': copyMatrice(matriuD,matriu);break;
57         case 'e': copyMatrice(matriuE,matriu);break;
58         case 'f': copyMatrice(matriuF,matriu);break;
59         case 'g': copyMatrice(matriuG,matriu);break;
60         case 'h': copyMatrice(matriuH,matriu);break;
61         case 'i': copyMatrice(matriuI,matriu);break;
62         case 'j': copyMatrice(matriuJ,matriu);break;
63         case 'k': copyMatrice(matriuK,matriu);break;
64         case 'l': copyMatrice(matriuL,matriu);break;
65         case 'm': copyMatrice(matriuM,matriu);break;
66         case 'n': copyMatrice(matriuN,matriu);break;
67         case 'o': copyMatrice(matriuO,matriu);break;
68         case 'p': copyMatrice(matriuP,matriu);break;
69         case 'q': copyMatrice(matriuQ,matriu);break;
70         case 'r': copyMatrice(matriuR,matriu);break;
71         case 's': copyMatrice(matriuS,matriu);break;
72         case 't': copyMatrice(matriuT,matriu);break;
73         case 'u': copyMatrice(matriuU,matriu);break;
74         case 'v': copyMatrice(matriuV,matriu);break;
75         case 'w': copyMatrice(matriuW,matriu);break;
76         case 'x': copyMatrice(matriuX,matriu);break;
77         case 'y': copyMatrice(matriuY,matriu);break;
78         default: copyMatrice(matriuZ,matriu);break;
79     }
80 }
81 void showText(char matriuAuxiliar[3][2],char char_array[],int n){
82     for(int x=0;x<3;x++){
83         for(int k=0;k<n;k++){
84             if(char_array[k]==' ')cout<<" "<<"//Si hi ha un espai

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85         else{
86             brailleLetter(char_array[k],matriuAuxiliar);
87             showFila(matriuAuxiliar,x);
88         }
89         if(k==n-1){
90             cout<<" "<<"\n";
91         }
92     }
93 }
94 }
95
96
97 int main(){
98     cout << "Introdueix el text desitjat per traduir-lo a braille (TOT MINUSCULES)"<<"\n";
99     string text;
100     getline(cin, text);
101     int n=text.length();
102     char char_array[n+1];
103     text.copy(char_array,n);
104     char matriuAuxiliar[3][2];
105     showText(matriuAuxiliar,char_array,n);
106 }
107

```