

Corrigés bac pratique informatique
Sections Science de l'informatique
23 Mai 2013 (10h30)

Corrigé Sujet le 23 Mai 2013 à 10h30

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program seance2_23_05_2013_10h;
uses wincrt;
var
f,fc:text;
n:integer;
procedure saisie (var n: integer);
begin
    repeat
        write(' taper n:'); readln(n);
    until (n<=50);
end;
function verif (ch:string):boolean;
var
i:integer;
begin
    i:=0;
    repeat
        i:=i+1;
    until (not(upcase(ch[i]) in ['A'..'Z',' '])or(i=length
(ch)));
    verif:=(upcase(ch[i]) in ['A'..'Z',' '])and(ch[1]<>'
')and(ch[length(ch)]<>' ')and(pos(' ',ch)=0);
end;
procedure saisie_ph( var ph:string);
begin
    repeat
        write('Taper une phrase :');readln(ph);
    until (verif(ph));
end;
function crypter (mot:string; p:integer):string;
var
motc:string;
c:char;
i:integer;
begin
    motc:="";
    for i:=1 to length(mot) do
        begin
            if (mot[i] in ['A'..'Z']) then
                begin
                    if chr(ord(mot[i])+p)<'Z' then
                        c:=chr(ord(mot[i])+p)
                    else
                        c:=chr( (ord(mot[i])+p-90) mod 26 +64
);

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end ;

        if (mot[i] in ['a'..'z']) then
            begin
                if chr(ord(mot[i])+p)<'z' then
                    c:=chr(ord(mot[i])+p)
                else
                    c:=chr( (ord(mot[i])+p-122) mod 26 +9
7);
            end;
            motc:=motc+c;
        end;

    crypter:=motc;
end;
function crypter_ph( ph:string):string;
var
ch1,phc:string;
i,p:integer;

begin
    phc:="";
    p:=0;

    ph:=ph+' ';
    while(ph<>"")do
        begin
            p:=p+1;
            ch1:=crypter(copy(ph,1,pos(' ',ph)-1),
p);

            phc:=phc+ch1+' ';
            delete(ph,1,pos(' ',ph));
        end;
        delete(phc,length(ph),1);
        crypter_ph:=phc;
    end;
    procedure traitement (var f,fc:text; n:integer
);
var
i:integer;
phc,ph:string;
begin
    append(f); append(fc);
    for i:=1 to n do
        begin

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        saisie_ph(ph);
        phc:=crypter_ph(ph);
write(f,ph);
        write(fc,phc);
        writeln(ph);
        writeln(phc);
    end;
    close(f);close(fc);
end;
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BEGIN
assign(f,'c:\phrases.txt'); rewrite(f);
assign(fc,'c:\ph_crypt.txt'); rewrite(fc);
saisie(n);
traitement(f,fc,n);
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END.
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