

Informatique : T.D. n°11 : Correction

program ex1question1;

```
type tableau=array[1..5] of integer;
var T,U,V : tableau;
    i:integer;
begin
    for i:=1 to 5 do begin write('coefficient n°',i,' de T ? ');
                           readln(T[i]);
                           end;
    for i:=1 to 5 do begin write('coefficient n°',i,' de U ? ');
                           readln(U[i]);
                           end;
    for i:=1 to 5 do begin
                           V[i]:=T[i] + 2×U[i];
                           writeln('V',i,' vaut ',V[i]);
                           end;
    readln;
end.
```

program ex1question2;

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program ex1question2;
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```
type tableau=array[1..5] of integer;
var T : tableau;
    i,max,min : integer;

begin
    for i:=1 to 5 do begin write('coefficient n°',i,' de T ? ');
                           readln(T[i]);
                           end;
    max:=T[1];min:=T[1];
    for i:=2 to 5 do begin
                           if T[i]>max then max:=T[i];
                           if T[i]<min then min:=T[i];
                           end;
    writeln('Le maximum vaut ',max);
    writeln('Le minimum vaut ',min);
    readln;
end.
```

```

program ex2;
type matrice=array[1..3,1..3] of integer;
var i,j,k,s:integer;
    A,B,C,D,E:matrice;
begin
writeln('Entrez les coefficients de A');
for i:=1 to 3 do for j:=1 to 3 do
    begin writeln('Coefficient ',i,' ',j);
          readln(A[i,j]);
    end;
writeln('Entrez les coefficients de B');
for i:=1 to 3 do for j:=1 to 3 do
    begin writeln('Coefficient ',i,' ',j);
          readln(B[i,j]);
    end;
for i:=1 to 3 do for j:=1 to 3 do c[i,j]:=a[j,i];
for i:=1 to 3 do for j:=1 to 3 do d[i,j]:=a[i,j]+b[i,j];
for i:=1 to 3 do for j:=1 to 3 do
    begin
        s:=0;
        for k:=1 to 3 do s:=s+a[i,k]*b[k,j];
        e[i,j]:=s;
    end;
writeln('tA =');
for i:=1 to 3 do begin
    for j:=1 to 3 do write(c[i,j], ' ');
    writeln;
end;
writeln('A + B = ');
for i:=1 to 3 do begin
    for j:=1 to 3 do write(d[i,j], ' ');
    writeln;
end;
writeln('A * B =');
for i:=1 to 3 do begin
    for j:=1 to 3 do write(e[i,j], ' ');
    writeln;
end;
readln;
end.

```