

The second serie (N°02)

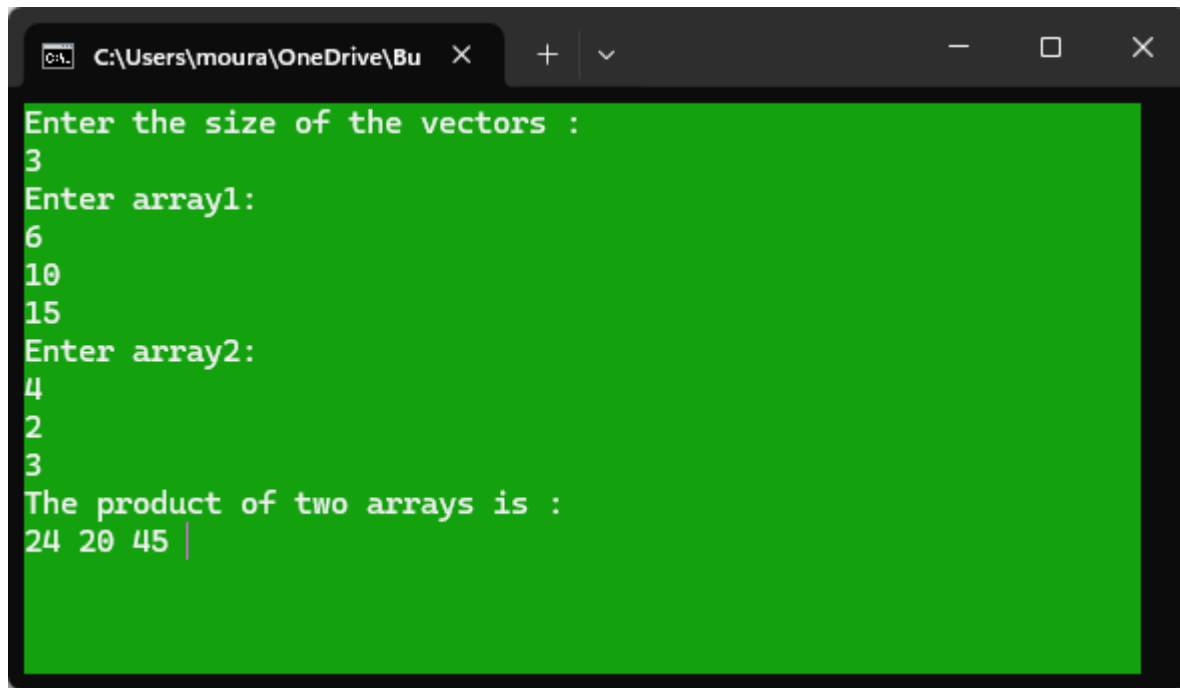
Solution

Exercice 17 :

1) Here is a pascal program which calculates the product of two vectors.

```
Program prodoftwovect;  
Var  
  i,size: Integer;  
  v1,v2,p: Array[1..100] Of Integer;  
Begin  
  Writeln('Enter the size of the vectors : ');  
  Readln(size);  
  Writeln('Enter array1: ');  
  For i:=1 To size Do  
    Readln(v1[i]);  
  Writeln('Enter array2: ');  
  For i:=1 To size Do  
    Readln(v2[i]);  
  Writeln('The product of two arrays is :');  
  For i:=1 To size Do  
    Begin  
      p[i] := v1[i]*v2[i];  
      Write(p[i], ' ');  
    End;  
  Readln;  
End.
```

After program running, here's the display:

A screenshot of a terminal window with a black title bar and a green background. The title bar contains the text 'C:\Users\moura\OneDrive\Bu' followed by window control icons. The terminal displays the following text:

```
Enter the size of the vectors :  
3  
Enter array1:  
6  
10  
15  
Enter array2:  
4  
2  
3  
The product of two arrays is :  
24 20 45 |
```

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