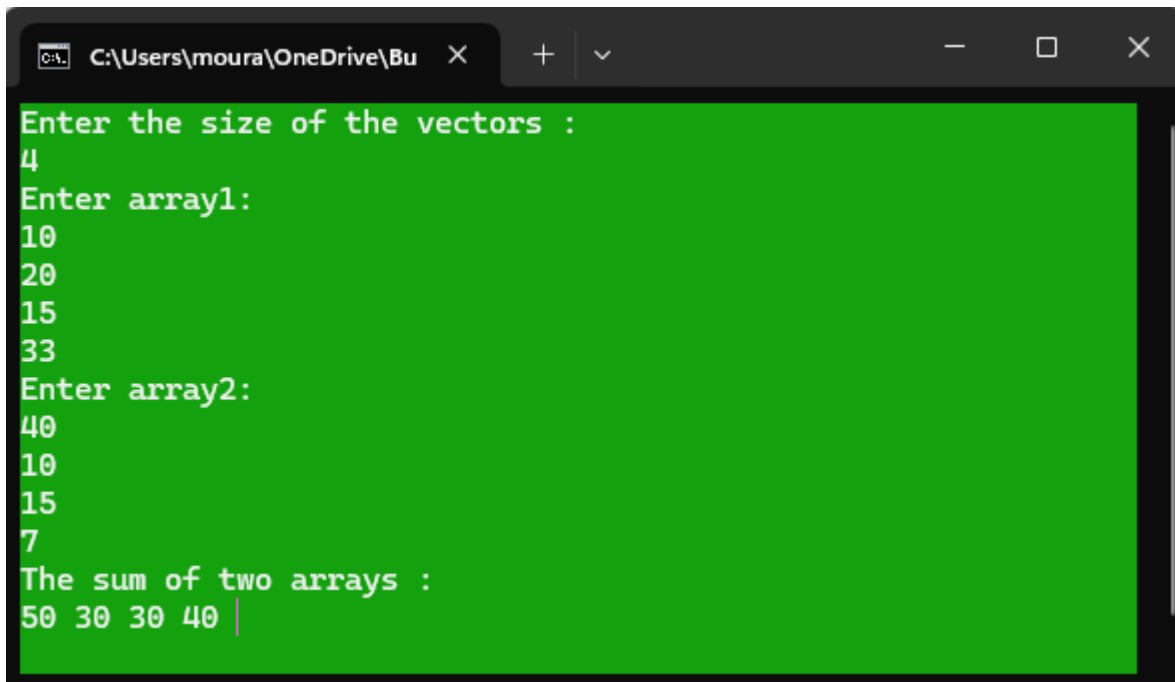## The second serie (N°02)

Solution

Exercice 16 :

1) Here is a pascal program that calculates the sum of two vectors:

```pascal
Program sumoftwovect;
Var
  i,size: Integer;
  v1,v2,s: 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 sum of two arrays :');
  For i:=1 To size Do
    Begin
      s[i] := v1[i]+v2[i];
      Write(s[i],' ');
    End;
  Readln;
End.
```

After program running, here's the display:

```
Enter the size of the vectors :
4
Enter array1:
10
20
15
33
Enter array2:
40
10
15
7
The sum of two arrays :
50 30 30 40
```