

## The second serie (N°02)

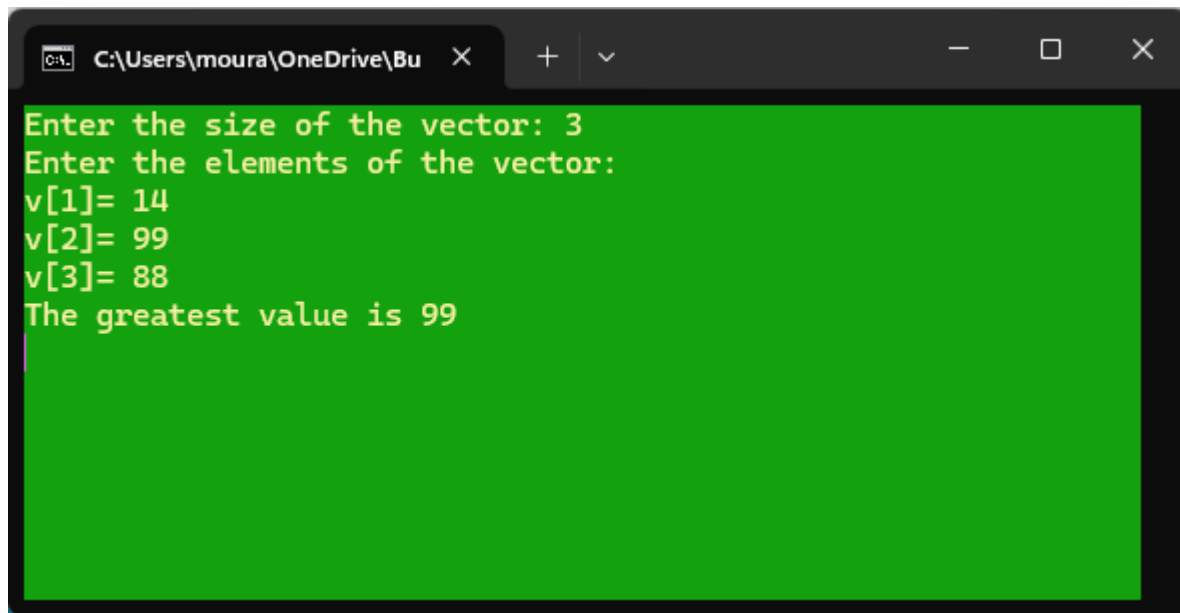
### Solution

#### Exercice 12 :

1) Here is a pascal program that finds the greatest number in a vector:

```
program ex12;
var i,size,max:integer;
v:array[1..100] of integer;
Begin
write('Enter the size of the vector: '); readln(size);
writeln('Enter the elements of the vector: ');
for i:=1 to size Do
begin
write('v['i,']= ');
readln(v[i]);
end;
max:=v[1];
for i:=2 to size Do
if v[i]>max then max:=v[i];
writeln('The greatest value is ',max);
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 a close button 'X', a plus sign '+', a dropdown arrow 'v', a minus sign '-', a maximize button, and another close button 'X'. The terminal displays the following text in white: 'Enter the size of the vector: 3', 'Enter the elements of the vector:', 'v[1]= 14', 'v[2]= 99', 'v[3]= 88', and 'The greatest value is 99'.

```
C:\Users\moura\OneDrive\Bu X + v - □ X
Enter the size of the vector: 3
Enter the elements of the vector:
v[1]= 14
v[2]= 99
v[3]= 88
The greatest value is 99
```

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