The second serie (N°02)

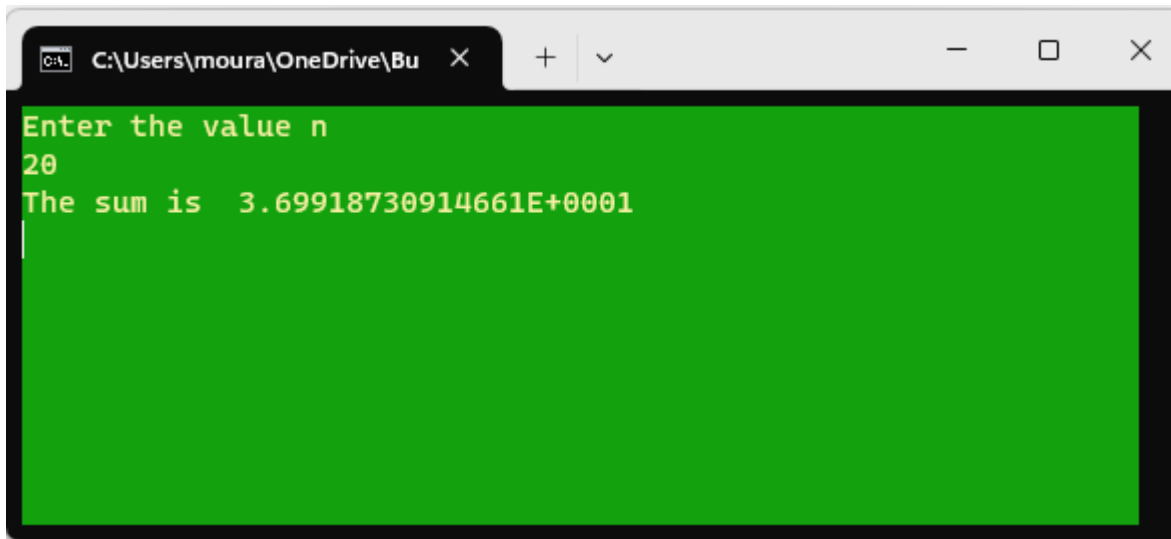## Solution

Exercice 06 :

1) Here is a pascal program that calculates Sn:

$$S_n = 4 \sum_{k=0}^{N} \frac{k}{2k+1}$$

N is a user-entered integer.

```
Program sum;
var k,n:integer;
s:real;
Begin
writeln('Enter the value n');
readln(n);
s:=0;
For k:=0 to n Do
Begin
s:=s+4*(k/(2*k+1));
end;
Writeln('The sum is ',s);
readln;
end.
```

After program running, here's the display:

```
C:\  C:\Users\moura\OneDrive\Bu    X    +   ˅

Enter the value n
20
The sum is  3.69918730914661E+0001
```