UNIVERSITY MOHAMED BOUDIAF OF M'SILA
FACULTY OF TECHNOLOGY
COMMON BASE ST

1985

جامعة محمد بوضياف - المسيلة
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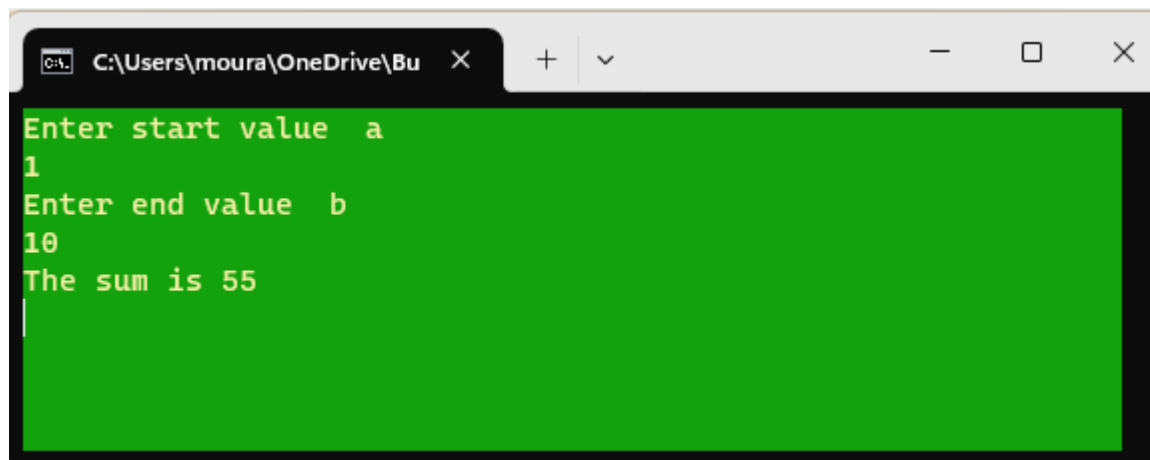**Computer science II : (Practical Work)**   **Academic year 2023 /2024**

The second serie (N°02)

Solution

Exercice 02 :

1) Here is a pascal program that calculates the sum of the numbers between two values A and B entered by the user:

```pascal
program sum;
var a,b,i,s:integer;
Begin
writeln('Enter the start value  a '); readln(a);
writeln('Enter end value  b '); readln(b);
s:=0;
For i:=a to b Do
begin
S:=s+i;
end;
writeln('The sum is ',s);
readln;
end.
```

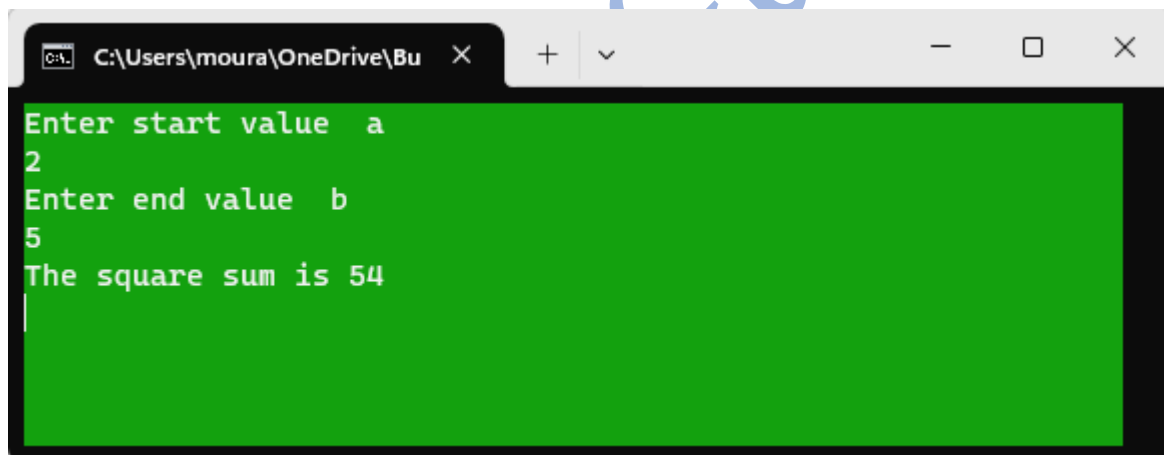After program running, here's the display:

```
C:\Users\moura\OneDrive\Bu    X    +   v                          —    □    X

Enter start value   a
1
Enter end value   b
10
The sum is 55

```

2) Here is the modified program that calculates the square sum of the numbers between two values A and B entered by the user:

```
program sum;
var a,b,i,s:integer;
Begin
writeln('Enter the start value  a '); readln(a);
writeln('Enter end value  b '); readln(b);
s:=0;
For i:=a to b Do
begin
S:=s+i*i ;
end;
writeln('The sum is ',s);
readln;
end.
```

After program running, here's the display: