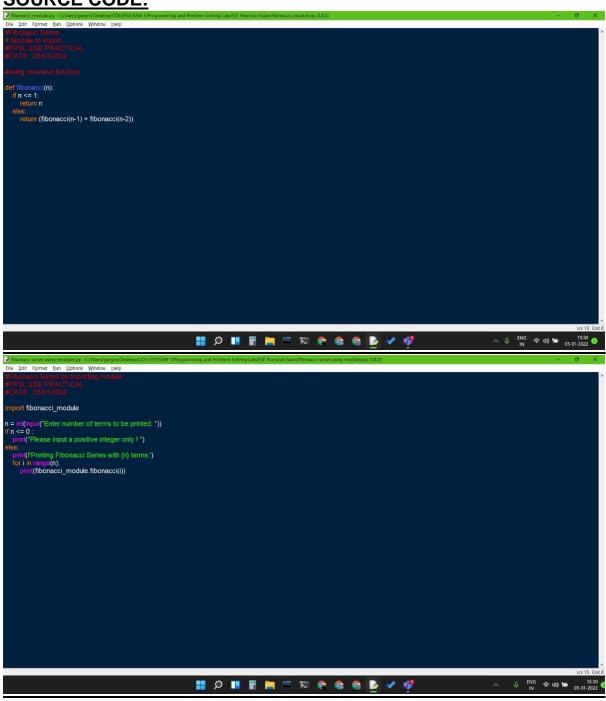


Programming and Problem Solving Lab: End Semester Exam Title: Write a python program to find the Fibonaul series using modules Flowchart : Start import created module " f:bonace?\_module" Input: Humber of terms (n) False True is n<= Print: Printing Print: Enter Fibonacci Series positive number, 15 9 4 17 Prints fibonace -module. fibo

} Page No. Source Code: imported triodule #fibonacci series fibonacci \_ module . py # module to import # using recursive function def fibonacci(n): 9f n<=1: return n e15e : return (fibonacci (n-1) + fibonacci (n-2)) 2. # fibonacci series by importing module import fibonacci \_ module n = "nt ("nput (" Enter number of terms to be printed ")) print (" Please input a positive integer only.!" else: print (f'Printing Fibonacci series with any terms: ) for i in range (n): print (fibonacci \_ module . fibonacci (:)) Learning Outcomes: The following program helped to understand the use of modules. It helped to understand how to define a function, recursive function and impost it into another program to optimise the code and reduce the number lines and thus reuse the same functions many times throughout the program. Thus, it helped to realise the utility of modules. It also helped to understand the syntax of f-string (formatted string).

## **SCREENSHOTS**

• SOURCE CODE:



## • OUTPUT:

