**Activity 3**

Mathematical Foundation for Computer Application

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Python code to generate fibonacci sequence using recursion.

And User Input.

**Code:**

a=int(input("Enter first number: "))

b=int(input("Enter second number: "))

n=int(input("Enter a limit: "))

def recur\_fibo(n):

if n == 0:

return a

elif n == 1:

return b

else:

return(recur\_fibo(n-1) + recur\_fibo(n-2))

# check if the number of terms is valid

if n <= 0:

print("Plese enter a positive integer")

else:

print("Fibonacci sequence:")

for i in range(n):

print(recur\_fibo(i))