**5.Write a Python function to compute the nth Fibonacci number using recursion.**

def fibonacci(n):

if n <= 0:

raise ValueError("n should be a positive integer")

elif n == 1:

return 0

elif n == 2:

return 1

else:

return fibonacci(n-1) + fibonacci(n-2)

def main():

while True:

try:

n = int(input("Enter the position of the Fibonacci number to compute (positive integer): "))

if n <= 0:

print("Please enter a positive integer.")

else:

result = fibonacci(n)

print(f"The {n}th Fibonacci number is: {result}")

break

except ValueError:

print("Invalid input. Please enter a valid positive integer.")

if \_\_name\_\_ == "\_\_main\_\_":

main()

**OUTPUT**:

