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Project 1

Part A

CS 3130

Professor Galina

**Code:**

def main():

userNum = -1 #Initilaize user input variable and set it to -1

while userNum < 0: #Verification loop to make sure user inputs a valid number

userNum = int(input("Enter a positive number: "))

if userNum < 0:

print("Invalid number")

print(fib(userNum)) #Run code

def fib(userNum):

if userNum == 0: #First fib number is 0

return 0

elif userNum == 1: #Second fib bumber is 1

return 1

elif userNum == 2: #Third fib number is 1

return 1

else:

return(fib(userNum - 1) + fib(userNum - 2)) #Fib equation with recursion

main()

**Execution:**