# Program to display the Fibonacci sequence up to n-th term where n is provided by the user

# change this value for a different result

nterms = 10

# uncomment to take input from the user

#nterms = int(input("How many terms? "))

# first two terms

n1 = 0

n2 = 1

count = 0

# check if the number of terms is valid

if nterms <= 0:

print("Please enter a positive integer")

elif nterms == 1:

print("Fibonacci sequence upto",nterms,":")

print(n1)

else:

print("Fibonacci sequence upto",nterms,":")

while count < nterms:

print(n1,end=' , ')

nth = n1 + n2

# update values

n1 = n2

n2 = nth

count += 1