```
#Memoization Fibonacci Series
def fib(memo, n):
  if n == 1:
    return 0
  elif n == 2:
    return 1
  else:
    memo[n] = (fib(memo, n - 1) + fib(memo, n - 2))
    return memo[n]
tempDict = {}
fib(tempDict, 8)
print("0")
print("1")
for i in tempDict.values():
  print(i)
     0
     1
     1
     2
     3
     5
     8
     13
def fact(memo, n):
  if n == 0:
    return 1
  elif n == 1:
    return 1
  else:
    memo[n] = fact(memo, n - 1) * n
    return memo[n]
tempDict = {}
fib(tempDict, 8)
for i in tempDict.values():
  print(i)
     TypeError
                                                Traceback (most recent call last)
     <ipython-input-29-3367963267cb> in <cell line: 11>()
          10 tempDict = {}
```

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```
---> 11 fib(tempDict, 8)
          13 for i in tempDict.values():
     <ipython-input-28-3af7fbe2b269> in fib(n, tab)
           3 def fib(n, tab):
     ----> 4 for i in range(2, n+1):
                 tab.append(tab[i - 1] + tab[i - 2])
           6
               return tab
     TypeError: unsupported operand type(s) for +: 'dict' and 'int'
      SEARCH STACK OVERFLOW
# Tabulation Fibonacci Series
def fib(n, tab):
  for i in range(2, n+1):
   tab.append(tab[i - 1] + tab[i - 2])
  return tab
tab = [0, 1]
fib(7, tab)
     [0, 1, 1, 2, 3, 5, 8, 13]
```

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