

2조 코드리뷰

김학균, 노용준, 남경태

반복문을
이용한
피보나치

```
def iterfibo(n):  
    f0 = 0  
    f1 = 1  
    if n <= 1:  
        return n  
    else :  
        for i in range (1,n):  
            temp=f0  
            f0=f1  
            f1=temp+f1  
        return f1
```

```
def iterfibo(n):  
    arr = [0, 1]  
    if n == 0:  
        return 0  
    elif n == 1:  
        return 1  
  
    for i in range(2, n+1):  
        num = arr[i-1] + arr[i-2]  
        arr.append(num)  
  
    return arr[n]
```

```
def iterfibo(n):  
    if n<=1:  
        return n  
    else:  
        sum = 0  
        list = [0, 1]  
        for i in range(1, n-1):  
            list.append(list[i-1] + list[i])  
        sum = list[n-1] + list[n-2]  
        return sum
```

리스트 append를 이용한 피보나치

실행

```
Enter a number: 4
IterFibo(4)=3, time 0.000014
Fibo(4)=3, time 0.000013
Enter a number: 1
IterFibo(1)=1, time 0.000007
Fibo(1)=1, time 0.000007
Enter a number: 10
IterFibo(10)=55, time 0.000016
Fibo(10)=55, time 0.000122
Enter a number: 11
IterFibo(11)=89, time 0.000017
Fibo(11)=89, time 0.000254
Enter a number: 12
IterFibo(12)=144, time 0.000017
Fibo(12)=144, time 0.000301
Enter a number: -1
```