

```
public static long fibonacci_iter(int n) {  
    if(n <= 1) {  
        return n;  
    }  
    long fib = 1;  
    long prevFib = 1;  
  
    for(long i=2; i<n; i++) {  
        long temp = fib;  
        fib+= prevFib;  
        prevFib = temp;  
    }  
    return fib;  
}
```