

## 2. Iterators – Word Counter:

Write a Python class called "FibonacciIterator" that implements an iterator for generating Fibonacci numbers. The iterator should return the Fibonacci sequence indefinitely, starting from 0 and 1.

- The class should have the following methods:

`__iter__`: Returns the iterator object itself.

`__next__`: Returns the next Fibonacci number in the sequence.

- The Fibonacci sequence is defined as follows:

The first number is 0.

The second number is 1.

### A. Example usage:

```
fib_iter = FibonacciIterator()
print(next(fib_iter)) # Output: 0
print(next(fib_iter)) # Output: 1
print(next(fib_iter)) # Output: 1
print(next(fib_iter)) # Output: 2
print(next(fib_iter)) # Output: 3
```