99. Dynamic Programming

Code:

```python
def fib(n, memo={}):
    if n in memo:
        return memo[n]
    if n <= 1:
        return n
    memo[n] = fib(n-1, memo) + fib(n-2, memo)
    return memo[n]

print(fib(10))
```

Output:

```
55
```

Time Complexity:

- $T(n) = O(n)$