97. Dynamic Programming

AIM: To solve the dynamic program

PROGRAM:

```
def fibonacci(n):
    if n <= 1:
        return n
    fib = [0] * (n + 1)
    fib[1] = 1
    for i in range(2, n + 1):
        fib[i] = fib[i - 1] + fib[i - 2]
    return fib[n]
n = 10
print(f"The {n}th Fibonacci number is:", fibonacci(n))
```

OUTPUT:

```
The 10th Fibonacci number is: 55
```

TIME COMPLEXITY: O(n)