

## 97. DYNAMIC PROGRAMMING

PROGRAM:

```
def fibonacci(n):  
    if n <= 1:  
        return n  
    else:  
        return fibonacci(n-1) + fibonacci(n-2)
```

```
n = 10  
print(f"The 10th Fibonacci number is: {fibonacci(n)}")
```

OUTPUT:

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

```
=== Code Execution Successful ===
```

TIME COMPLEXITY:  $O(2^N)$