

```
Enter n(atleast 40): 45
n: 1, Fibonacci_value: 1, Multiplications: 2
n: 2, Fibonacci_value: 1, Multiplications: 3
n: 3, Fibonacci_value: 2, Multiplications: 4
n: 4, Fibonacci_value: 3, Multiplications: 4
n: 5, Fibonacci_value: 5, Multiplications: 5
n: 6, Fibonacci_value: 8, Multiplications: 5
n: 7, Fibonacci_value: 13, Multiplications: 6
n: 8, Fibonacci_value: 21, Multiplications: 5
n: 9, Fibonacci_value: 34, Multiplications: 6
n: 10, Fibonacci_value: 55, Multiplications: 6
n: 11, Fibonacci_value: 89, Multiplications: 7
n: 12, Fibonacci_value: 144, Multiplications: 6
n: 13, Fibonacci_value: 233, Multiplications: 7
n: 14, Fibonacci_value: 377, Multiplications: 7
n: 15, Fibonacci_value: 610, Multiplications: 8
n: 16, Fibonacci_value: 987, Multiplications: 6
n: 17, Fibonacci_value: 1597, Multiplications: 7
n: 18, Fibonacci_value: 2584, Multiplications: 7
n: 19, Fibonacci_value: 4181, Multiplications: 8
n: 20, Fibonacci_value: 6765, Multiplications: 7
n: 21, Fibonacci_value: 10946, Multiplications: 8
n: 22, Fibonacci_value: 17711, Multiplications: 8
n: 23, Fibonacci_value: 28657, Multiplications: 9
n: 24, Fibonacci_value: 46368, Multiplications: 7
n: 25, Fibonacci_value: 75025, Multiplications: 8
n: 26, Fibonacci_value: 121393, Multiplications: 8
n: 27, Fibonacci_value: 196418, Multiplications: 9
n: 28, Fibonacci_value: 317811, Multiplications: 8
n: 29, Fibonacci_value: 514229, Multiplications: 9
n: 30, Fibonacci_value: 832040, Multiplications: 9
n: 31, Fibonacci_value: 1346269, Multiplications: 10
n: 32, Fibonacci_value: 2178309, Multiplications: 7
n: 33, Fibonacci_value: 3524578, Multiplications: 8
n: 34, Fibonacci_value: 5702887, Multiplications: 8
n: 35, Fibonacci_value: 9227465, Multiplications: 9
n: 36, Fibonacci_value: 14930352, Multiplications: 8
n: 37, Fibonacci_value: 24157817, Multiplications: 9
n: 38, Fibonacci_value: 39088169, Multiplications: 9
n: 39, Fibonacci_value: 63245986, Multiplications: 10
n: 40, Fibonacci_value: 102334155, Multiplications: 8
n: 41, Fibonacci_value: 165580141, Multiplications: 9
n: 42, Fibonacci_value: 267914296, Multiplications: 9
n: 43, Fibonacci_value: 433494437, Multiplications: 10
n: 44, Fibonacci_value: 701408733, Multiplications: 9
n: 45, Fibonacci_value: 1134903170, Multiplications: 10
```

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