Code:

```java
import java.util.Scanner;
public class FibonacciMemoization {
    static int[] memo;
    static int fib(int n) {
        if (n == 0)
            return 0;
        if (n == 1)
            return 1;
        if (memo[n] != -1)
            return memo[n];
        memo[n] = fib(n - 1) + fib(n - 2);
        return memo[n];
    }
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        memo = new int[n + 1];
        for (int i = 0; i <= n; i++)
            memo[i] = -1;
        System.out.println(fib(n));
        sc.close();
    }}
```

FibonacciMemoization.java

Share Run

Output Clear

```java
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    static int[] memo;
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    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        memo = new int[n + 1];
        for (int i = 0; i <= n; i++)
            memo[i] = -1;
        System.out.println(fib(n));
        sc.close();
    }
}
```

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