Aim

To write a C program to print Fibonacci series using recursion.

Algorithm

1. Start program.
2. Define function `fibo(n)`:
    - If `n == 0` return 0.
    - If `n == 1` return 1.
    - Else return `fibo(n-1) + fibo(n-2)`.
3. Call `fibo()` in a loop to print series.
4. End program.

Code

```
#include <stdio.h>

int fibo(int n) {
    if (n <= 1)
        return n;
    return fibo(n - 1) + fibo(n - 2);
}

int main() {
    int n, i;
    printf("Enter number of terms: ");
    scanf("%d", &n);

    printf("Fibonacci Series: ");
```

```
    for (i = 0; i < n; i++)
        printf("%d ", fibo(i));

    printf("\n");
    return 0;
}
```

Sample Output

```
Enter number of terms: 6
Fibonacci Series: 0 1 1 2 3 5


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

Result

Prints Fibonacci series recursively.