To write a C program to print Fibonacci series without recursion.

Algorithm

1. Start program.

2. Input n (number of terms).

3. Initialize a=0, b=1.

4. Print a and b.

5. Loop from 3 to n:

   - c = a + b

   - Print c

   - Update a = b, b = c

6. End program.

Code

```c
#include <stdio.h>

int main() {
    int n, i;
    int a = 0, b = 1, c;

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

    printf("Fibonacci Series: %d %d ", a, b);
    for (i = 3; i <= n; i++) {
        c = a + b;
```

```
        printf("%d ", c);
        a = b;
        b = c;
    }
    printf("\n");
    return 0;
}
```

Sample Output

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


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

Result

Program prints Fibonacci series iteratively.