4. Write a C program to find Fibonacci series without using Recursion

Program:

#include <stdio.h>

int main() {

int n, first = 0, second = 1, next;

printf("Enter the number of terms: ");

scanf("%d", &n);

printf("Fibonacci Series: ");

for (int i = 0; i < n; i++) {

if (i <= 1)

next = i;

else {

next = first + second;

first = second;

second = next;

}

printf("%d, ", next);

}

return 0;

}

Input:

A screenshot of a computer

Description automatically generated

Output:

A screenshot of a computer

Description automatically generated