

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

```
#include <stdio.h>

int main() {

    int n, i;

    int t1 = 0, t2 = 1, nextTerm;

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

    scanf("%d", &n);

    printf("Fibonacci Series: ");

    for (i = 1; i <= n; i++) {

        printf("%d ", t1);

        nextTerm = t1 + t2;

        t1 = t2;


        t2 = nextTerm;

    }

    printf("\n");

    return 0;

}
```

main.c	Run	Output
<pre>1 #include &lt;stdio.h&gt; 2 int main() { 3     int n, i; 4     int A= 0, B= 1, nextTerm; 5     printf("Enter the number of terms: "); 6     scanf("%d", &amp;n); 7     printf("Fibonacci Series: "); 8     for (i = 1; i &lt;= n; i++) { 9         printf("%d ", A); 10        nextTerm = A + B; 11        A=B; 12        B = nextTerm; 13    } 14    printf("\n"); 15    return 0; 16 } 17</pre>		<pre>Enter the number of terms: 10 Fibonacci Series: 0 1 1 2 3 5 8 13 21 34  === Code Execution Successful ===</pre>