

```
//25 Faibnocci
#include <stdio.h>
int main() {

    int i, n;

    // initialize first and second terms
    int t1 = 0, t2 = 1;

    // initialize the next term (3rd term)
    int nextTerm = t1 + t2;

    // get no. of terms from user
    printf("Enter the number of terms: ");
    scanf("%d", &n);

    // print the first two terms t1 and t2
    printf("Fibonacci Series: %d, %d, ", t1, t2);

    // print 3rd to nth terms
    for (i = 3; i <= n; ++i) {
        printf("%d, ", nextTerm);
        t1 = t2;
        t2 = nextTerm;
        nextTerm = t1 + t2;
    }

    return 0;
}
```

OUTPUT:

Enter the number of terms: 10

Fibonacci Series: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34,