

**Description:**

C program that Finds the Fibonacci Series, and reports execution time using clock().

**Source Code:**

```
#include <stdio.h>

#include <time.h>

int main() {

    int n, t1 = 0, t2 = 1, nextterm;

    clock_t start, end;

    double cpu_time_used;

    start = clock();

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

    scanf("%d", &n);

    printf("Fibonacci Series: %d %d ", t1, t2);

    for (int i = 3; i <= n; i++) {

        nextterm = t1 + t2;

        printf("%d ", nextterm);

        t1 = t2;

        t2 = nextterm;

    }

    end = clock();
```

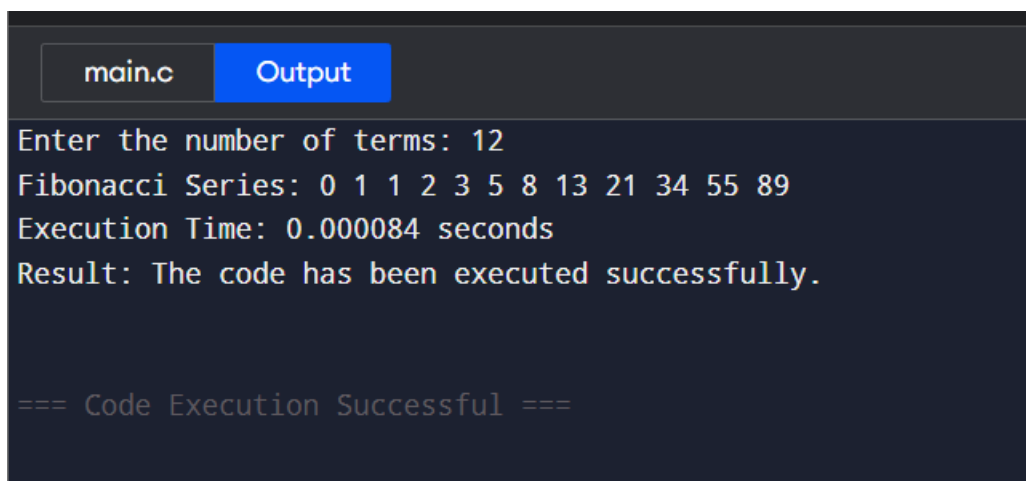
```
cpu_time_used = ((double)(end - start)) / CLOCKS_PER_SEC;

printf("\nExecution Time: %f seconds", cpu_time_used);

printf("\nResult: The code has been executed successfully.\n");

return 0;
}
```

### Output:



```
main.c  Output
Enter the number of terms: 12
Fibonacci Series: 0 1 1 2 3 5 8 13 21 34 55 89
Execution Time: 0.000084 seconds
Result: The code has been executed successfully.

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