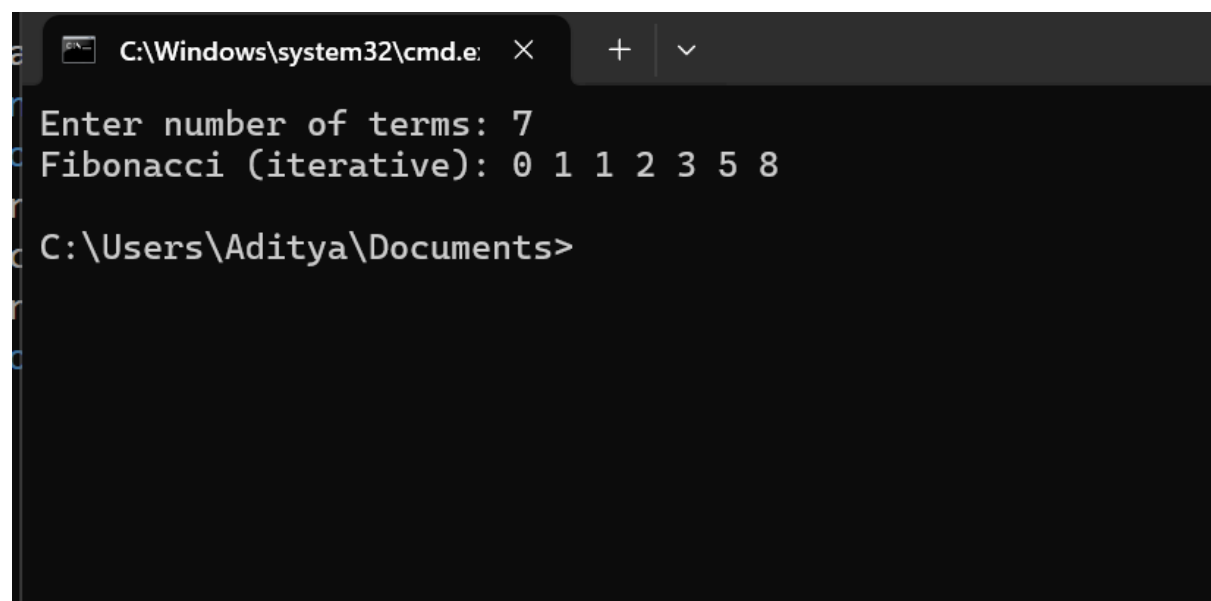


3. WITHOUT RECURSION FIBONACCI SERIES

```
#include <stdio.h>

int main() {
    int count, i;
    long long a = 0, b = 1, next;
    printf("Enter number of terms: ");
    scanf("%d", &count);
    printf("Fibonacci (iterative): ");
    for (i = 0; i < count; i++) {
        if (i <= 1)
            next = i;
        else {
            next = a + b;
            a = b;
            b = next;
        }
        printf("%lld ", next);
    }
    printf("\n");
    return 0;
}
```

Output:



```
C:\Windows\system32\cmd.e:  X  +  v

Enter number of terms: 7
Fibonacci (iterative): 0 1 1 2 3 5 8

C:\Users\Aditya\Documents>
```

