#include <stdio.h>

int main() {

int n, i;

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

printf("Enter the number of terms in the Fibonacci sequence: ");

scanf("%d", &n);

if (n <= 0) {

printf("Please enter a positive integer.\n");

return 1;

}

printf("Fibonacci sequence up to %d terms:\n", n);

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

if (i <= 1) {

next = i;

} else {

next = first + second;

first = second;

second = next;

}

printf("%lld ", next);

}

printf("\n");

return 0;

}