22.FIBONACCI OF THE N NUMBERS

#include <stdio.h>

#include <stdlib.h>

long fibonacci(int n)

{

if (n == 0)

return 0;

else if (n == 1 || n == 2)

return 1;

else

return fibonacci(n - 1) + fibonacci(n - 2);

}

int main()

{

int number;

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

if (scanf("%d", &number) != 1 || number < 0)

{

printf("Invalid input.Don't enter character or negative integer Please enter a non-negative integer.\n");

exit(1);

}

printf("Fibonacci series:\n");

for (int i = 0; i < number; i++) {

printf("%ld ", fibonacci(i));

}

printf("\n");

return 0;

}

OUTPUT

