29.Fibonacci of the n Numbers

#include <stdio.h>

int calculateEvenSum(int n)

{

if (n <= 0)

return 0;

int fibo[2 \* n + 1];

fibo[0] = 0, fibo[1] = 1;

int sum = 0;

for (int i = 2; i <= 2 \* n; i++)

{

fibo[i] = fibo[i - 1] + fibo[i - 2];

if (i % 2 == 0)

sum += fibo[i];

}

return sum;

}

int main()

{

int n;

printf("Enter any integer :");

scanf("%d",&n);

int sum = calculateEvenSum(n);

printf("Even indexed Fibonacci Sum upto %d terms = %d",n, sum);

return 0;

}

OUTPUT

