[Java Program to Find Even Sum of Fibonacci Series Till number N](https://www.geeksforgeeks.org/java-program-to-find-sum-of-fibonacci-series-numbers-of-first-n-even-indexes/)?

CODE:

import java.util.Scanner;

public class EvenFibonacciSum {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Getting the number N from the user

System.out.print("Enter the number N: ");

int n = scanner.nextInt();

// Finding and printing the sum of even Fibonacci numbers up to N

int sum = findEvenFibonacciSum(n);

System.out.println("Sum of even Fibonacci numbers up to " + n + ": " + sum);

scanner.close();

}

public static int findEvenFibonacciSum(int n) {

int n1 = 0, n2 = 1, nextTerm = 0, sum = 0;

while (nextTerm <= n) {

if (nextTerm % 2 == 0) {

sum += nextTerm;

}

nextTerm = n1 + n2;

n1 = n2;

n2 = nextTerm;

}

return sum;

}

}

OUTPUT:

C:\javap>javac EvenFibonacciSum.java

C:\javap>java EvenFibonacciSum

Enter the number N: 9

Sum of even Fibonacci numbers up to 9: 10

