



```
public class problem2_evenFibonacci {  
    public static void main(String[] args) {  
        // initialize all variables  
        int sum = 0;  
        int num1 = 1;  
        int num2 = 2;  
  
        // we want to go until a certain condition, so we use a while  
loop    while (num2 < 4000000) {  
        // use mod for even check  
        if (num1 % 2 == 0) {  
            sum += num1;  
        }  
  
        if (num2 % 2 == 0) {  
            sum += num2;  
        }  
  
        // change the values of num1 and num2  
        num1 = num1 + num2;  
        num2 = num1 + num2;  
    }  
  
    // print the sum  
    System.out.println(sum);  
}  
}
```