



```
public class problem1_multiplesOf3And5 {  
    public static void main(String[] args) {  
        // initialize the sum variable to 0  
        int sum = 0;  
  
        // for counting multiples of 3  
        for (int i = 0; i < 1000; i += 3) {  
            sum += i;  
        }  
  
        // for counting multiples of 5  
        for (int p = 0; p < 1000; p += 5) {  
            sum += p;  
        }  
  
        // we overcounted with the above loops, so remove the multiples of 15 that were counted  
        twice for (int m = 0; m < 1000; m += 15) {  
            sum -= m;  
        }  
  
        // print out the sum  
        System.out.println(sum);  
    }  
}
```