1. (6 points) What is the output of the following statements:

(a) int i = 0;
    int k = 0;
    for ( i = 2; i <= 10; i+=2 ) {
        if ( i < 5 )
            k = i;
    }
    System.out.println(i);
    System.out.println(k);

(b) int i = 5;
    if ( i < 6 ) {
        while ( i > 0 ) {
            i--;
        }
    } else if ( i < 15 ) {
        i = 100;
    }
    System.out.println(i);  

(a) 12
(b) 0

2. (4 points) Write the code for a loop computes the sum of the even numbers 1 through 10 in a variable named sum.

Solution:
int sum = 0;
for (int i = 2; i <= 10; i+=2 ) {
    sum = sum + i;
}
System.out.println(sum);