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

(a) `int i = 0;
   for (i = 1; i <= 10; i++) {
      if (i == 11) {
         System.out.println("Eleven ");
      }
   }
   System.out.println(i);`

   (a) 11

(b) `int i = 5;
    while (i < 3) {
       System.out.println(i);
       i++;
    }
    System.out.println(i);`

   (b) 5

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

   **Solution:**

   ```java
   int sum = 0;
   for (int i = 1; i <= 10; i++) {
      sum = sum + i;
   }
   System.out.println(sum);
   ```