1. What is the output of the following code when the user types:
   a) Jane  b) 56  c) 56.2

   ```java
   if (console.hasNextInt()) {
       int number = console.nextInt();
       System.out.println("Your age is "+ number);
   } else if (console.hasNext()) {
       String token = console.next();
       System.out.println("Your name is "+ token);
   }
   ```

2. For each of the following loops, how many times will the loop body execute. Remember that “zero”, “infinity”, and “unknown” are legal answers.

   a) int x = 1;
      do {
         System.out.print(x + " ");
         x += 10;
      } while (x < 100);

   b) String s = "\\\\";
      do {
         s = s + s;
      } while (s.length() < 10);
      System.out.println(s);