1. The sequence of statements that the program executes is called the ______ control flow ______. It also refers to the possible paths the program could take.

2. A **while** loop evaluates a ______ condition ______ prior to executing the ______ body ______ of the loop.

3. A loop that repeats indefinitely is referred to as a(n) ______ infinite loop ______.

4. **True** or False (Circle one): The following pseudocode computes the factorial $n!$ of an integer $n$:

   **Input:** Integer $n$
   1: $f \leftarrow 1$
   2: while $n > 0$ do
   3:     $f \leftarrow f \times n$
   4:     $n \leftarrow n - 1$
   5: End while
   6: Output($f$)

5. What is the output of the following Java code?

```java
int i = 3;
int j = 41;
while(j > i)
    j /= i;
System.out.println(j + i / 2.0);
```

2.5

6. **Bonus.** Draw the flow chart for a **while**-loop.