1. Write Java syntax to declare, create, and initialize an array of 42 boolean values:
   ```java
   boolean[] arr = new boolean[42];
   ```

2. Write Java syntax to triple the middle element on an array called `values` (you can assume the array has an even number of elements):
   ```java
   values[values.length/2] *= 3;
   ```

3. A Java String is similar to an array of `char`.

4. You are given a 2D-array `world` of characters that has dimensions $N \times M$ ($N$ rows and $M$ columns). Each character is either ‘O’ for an ocean, ‘L’ for land, or ‘I’ for an ice sheet. Write an algorithm that determines if there are any ice sheets left in the world (`true`) or finds that the world is doomed (`false`).

   ```java
   boolean iceSheets = false;
   for(int i = 0; i < N; ++i) {
       for(int j = 0; j < M; ++j) {
           if(world[i][j] == 'I') {
               iceSheets = true;
               break; break;
           }
       }
   }
   Output(iceSheets);
   ```