Lesson 71: Resizing Arrays & `Scrabble` (W23D3)
Balboa High School

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Do Now

1. Create a new project called L71.

2. Import `ArrayResizer.java` from here.

3. Over the next 10min, work with a partner to learn as much as possible about how the class works. Try making changes and see how the code breaks!

Students will write a $SCRABBLE^{\textcircled{R}}$ scorer and learn how to resize Java arrays.

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5. What is the process by which one grows an array after it's initially declared to have a paticular size?

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3. Point `small` to the larger array, dereferencing the original, smaller array:

   ```
   small = bigger;
   // small is now { 3, 6, 9, 0, 0 }
   ```

Array Resizing Exercise

- Create class `ArrResizePractice`

- Include this snippet in `main()`:

  ```
  int[] lows = { 5, 35, 10, 19, 27 }; //low temps
  int avg;

  //write for() loop that computes average of temps,
  //rounds it off, and stores it in avg

  //resize lows to hold one additional elt

  //store avg in last slot of lows
  ```

- As per the comments, complete the `main()`

- Work on PS #12, §6: *SCRABBLE*$^{\textregistered}$.

- Finish up to — and including — §7.2 (finishing for HW, if necessary), which will be where we start next class.

- Required reading available here.

Finish up to §7.2 (inclusive) of PS #12.