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AP Computer Science B

Mrs. Calinisan

April 28, 2014

Do You Know?

Set 3

1. loc1.getRow()
2. false
3. (4, 4)
4. 135 degrees southeast
5. The parameter contained in getAdjacentLocation indicates the direction. It determines the closest direction on the compass.

Set 4

1. grid.getOccupiedLocations().size() will count the objects in a grid. grid.GetNumRows()\*grid.getNumCols() – grid.getOccupiedLocations().size() will count the empty locations in a bounded grid.
2. grid.isValid(new Location(10, 10)), where this will return true is the location is valid
3. Grid is an interface, so essentially it declares what methods can be implemented. These implementations can be found in the UnboundedGrid, BoundedGrid, and AbstractGrid classes.
4. Yes, for usability—the syntax of returning the objects in an array is simpler. However, you must specify a size for the list if you use an array; you don’t have to do this with an ArrayList. Thus, this makes development harder.