

AP Computer Science

Javadoc Commenting Convention

Below is an example of the javadoc commenting convention:

```
/**
 * A description of the method goes here
 * description continued here..
 * description continued here..
 * @param describes the first parameter passed to the method
 * @param describes the first parameter passed to the method
 * @return describes what is returned by the method
 * @throws describes any exceptions that are thrown
 */
```

Below is an example from the GridWorld Case Study method Location in the Critter class:

```
/**
 * Selects the location for the next move. Implemented to randomly pick one
 * of the possible locations, or to return the current location if
 * <code>locs</code> has size 0. Override this method in subclasses that
 * have another mechanism for selecting the next move location. <br />
 * Postcondition: (1) The returned location is an element of
 * <code>locs</code>, this critter's current location, or
 * <code>null</code>. (2) The state of all actors is unchanged.
 * @param locs the possible locations for the next move
 * @return the location that was selected for the next move.
 */
public Location selectMoveLocation(ArrayList<Location> locs)
{
    int n = locs.size();
    if (n == 0)
        return getLocation();
    int r = (int) (Math.random() * n);
    return locs.get(r);
}
```