Courtney Thurston

AP Computer Science B

Mrs. Calinisan

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Do You Know? Set 8

1. Act calls the methods makeMove, getMoveLocations, selectMoveLocation, processActors, and getActors. Meanwhile, the ChameleonCritter class overrides makeMove and processActors. As such, if you call act for a ChameleonCritter, this is distinct from calling act for a Critter. Essentially, ChameleonCritter and Critter process their actors differently.
2. It calls it because makeMove in ChameleonCritter only changes the direction. You must call super.makeMove to actually then move to a new location.
3. You would need to modify the makeMove method to do this. A variable could keep track of ChameleonCritter’s present location. When the actor moves successfully, place a flower in its old location.
4. It doesn’t override because it draws from the same list of actors that Critter does. Thus, no new or modified parameters are needed for getActors.
5. The Actor class, and all its subclasses, contain this method.
6. By calling getGrid, contained in the Actor class.