julianhernandez 👤

< MonsterTruck                **Main Page** → **Problems** → **Solve a Problem**              Butterfly >

👁 Show Header

## ✅ Skunk

**Language/Type:**    ♨ Java classes constructors Critters fields implementing inheritance instance methods
**Related Links:**    Critter.java
**Author:**           Marty Stepp (on 2010/05/30)

*("Critter" classes come from the University of Washington's CSE 142 Critters homework assignment. See the assignment spec for more information.)*

The following `Critter` class named `Skunk` is an attempt to make a critter that goes W, W, N and repeats, unless he eats food, in which case he will start going W, W, S and repeats. But the code contains several errors. Download the code and fix the errors so it compiles and behaves properly.

♻ Revert

**Type your solution here:**

```java
public class Skunk extends Critter {
    private int moves;
    private boolean hungry;

    public void Skunk() {  // constructor
        this.hungry = false;
    }

    public boolean eat() {
        this.hungry = true;
        return true;
    }

    public Direction getMove() {
        this.moves++;
        if (this.moves >= 3) {
            this.moves = 0;
        }
        if (this.moves == 1 || this.moves == 2) {
            return Direction.WEST;
        } else if (this.hungry) {
```

```
22              return Direction.SOUTH;
23          } else if (!this.hungry) {
24              return Direction.NORTH;
25          }
26          return Direction.CENTER;
27      }
28
29      public String toString() {
30          return "w";
31      }
32 }
```

This is an **inheritance problem.** Write a Java class using inheritance. (You do not need to write any `import` statements.)

4  Indent

🚀 **Submit**

☑ Sound F/X
☑ Highlighting

If you do not understand how to solve a problem or why your solution doesn't work, please contact your TA or instructor.
If something seems wrong with the site (errors, slow performance, incorrect problems/tests, etc.), please   contact us.

Is there a problem? Contact a site administrator.