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Skunk

Language/Type: Java classes constructors Critters fields implementing inheritance instance methods
Related Links: Critter.java
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("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:

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

    public void Skunk() {  // constructor
        hungry = false;
        moves = 0;
    }

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

    public Direction getMove() {

        // reset
        if (moves >= 3) {
```

```
19              moves = 0;
20          }
21
22          if(hungry == true) {
23              if (moves < 2){
24                  moves++;
25                  return Direction.WEST;
26              } else {
27                  moves++;
28                  return Direction.SOUTH;
29              }
30          }
31
32          if (moves < 2) {
33              moves++;
34              return Direction.WEST;
35          } else {
36              moves++;
37              return Direction.NORTH;
38          }
39
40      }
41  }
```

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

4 Indent

Sound F/X

Highlighting

Submit

You passed 4 of 4 tests.

Go to the next problem: Butterfly

test #1:	`constructor`
console output:	
result:	pass
test #2:	`getMove without eating`
console output:	`Skunk getMove 1: "WWNWWNWWNWWNWWNWWNWWN"` `Skunk getMove 2: "WWNWWNWWNWWNWWNWWNWWN"`
result:	pass
test #3:	`getMove with eating`

console output:
```
Skunk getMove 1: "WWNWWNWWSWWSWWSWWSWWS"
Skunk getMove 2: "WWNWWNWWNWWNWWNWWNWWN"
```

result: pass

test #4: eat

console output:
```
Skunk 0 eat #1: true
Skunk 1 eat #1: true
Skunk 2 eat #1: true
Skunk 0 eat #2: true
Skunk 1 eat #2: true
Skunk 2 eat #2: true
Skunk 0 eat #3: true
Skunk 1 eat #3: true
Skunk 2 eat #3: true
Skunk 0 eat #4: true
Skunk 1 eat #4: true
Skunk 2 eat #4: true
Skunk 0 eat #5: true
Skunk 1 eat #5: true
Skunk 2 eat #5: true
Skunk 0 eat #6: true
Skunk 1 eat #6: true
Skunk 2 eat #6: true
Skunk 0 eat #7: true
Skunk 1 eat #7: true
Skunk 2 eat #7: true
Skunk 0 eat #8: true
Skunk 1 eat #8: true
Skunk 2 eat #8: true
Skunk 0 eat #9: true
Skunk 1 eat #9: true
Skunk 2 eat #9: true
Skunk 0 eat #10: true
Skunk 1 eat #10: true
Skunk 2 eat #10: true
Skunk 0 eat #11: true
Skunk 1 eat #11: true
Skunk 2 eat #11: true
Skunk 0 eat #12: true
Skunk 1 eat #12: true
Skunk 2 eat #12: true
Skunk 0 eat #13: true
Skunk 1 eat #13: true
Skunk 2 eat #13: true
Skunk 0 eat #14: true
Skunk 1 eat #14: true
Skunk 2 eat #14: true
Skunk 0 eat #15: true
Skunk 1 eat #15: true
Skunk 2 eat #15: true
Skunk 0 eat #16: true
Skunk 1 eat #16: true
Skunk 2 eat #16: true
Skunk 0 eat #17: true
```

```
Skunk 1 eat #17: true
Skunk 2 eat #17: true
Skunk 0 eat #18: true
Skunk 1 eat #18: true
Skunk 2 eat #18: true
Skunk 0 eat #19: true
Skunk 1 eat #19: true
Skunk 2 eat #19: true
Skunk 0 eat #20: true
Skunk 1 eat #20: true
Skunk 2 eat #20: true
```

result: pass

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