Week 5 Homework Quiz 2

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CE480 - Java and Internet Application

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Author Note

The Question

Q1:
```
+-------------+
| Animal      |
+-------------+
| - int legs  |
+-------------+
|             |
+-------------+
```
Please create a class which include
- class name
- constructor
- attribute
- get
- set
===
Q2: Draw an UML diagram to show the relationship among
- House
int price
- Window
int w, h
- ModernHouse
int color
======================

================================Answer================================

A1.

```java
public class Animal {

    // Attribute
    private int legs;

    // Constructor
    public Animal(int legs) {
        this.legs = legs;
    }

    // Getter for legs
    public int getLegs() {
```
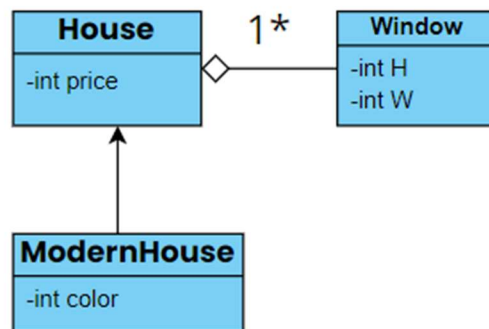
```java
        return this.legs;
    }

    // Setter for legs
    public void setLegs(int legs) {
        this.legs = legs;
    }

    public static void main(String[] args) {
        Animal dog = new Animal(4);
        System.out.println("The animal has " + dog.getLegs() + " legs.");

        dog.setLegs(3);  // e.g., perhaps the dog had an accident
        System.out.println("Now, the animal has " + dog.getLegs() + "
legs.");
    }
}
```

A2.

Reference