Week 5 Homework Quiz 2

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CE480 - Java and Internet Application

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10/12/2023

# Author Note

# The Question

Q1:

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| Animal        |

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| - int legs     |

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|                     |

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Please create a class which include

- class name

- constructor

- attribute

- get

-  set

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Q2: Draw an UML diagram to show the relationship among

- House

int price

- Window

int w, h

- ModernHouse

int color

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

A1.

public class Animal {

    // Attribute

    private int legs;

    // Constructor

    public Animal(int legs) {

        this.legs = legs;

    }

    // Getter for legs

    public int getLegs() {

        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.");

    }

}

A diagram of a house

Description automatically generatedA2.

Reference