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**TestPet Lab**

public class TestPet {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

// variables for two pets

Pet myPet, yourPet, mySecondPet;

String petInfo, petType;

// amount of food

double amount;

// create an instance of Pet for my pet

myPet = new Pet("Tiger", 20);

// show values of my pet

System.out.println("My pet name is " + myPet.name +

" and weight is " + myPet.weight);

//create another instance of Pet for your pet

yourPet = new Pet("Fluffy", 10);

// show values of your pet

System.out.println("Your pet name is " + yourPet.name +

" and weight is " + yourPet.weight); System.out.println();

mySecondPet = new Pet("Rosco", 19);

petType = mySecondPet.setPetType(mySecondPet.weight);

petInfo = mySecondPet.toString(mySecondPet.name,mySecondPet.weight, petType);

System.out.println ("My pet info is " + petInfo);

// recommended food if my pet activity is medium

amount = myPet.recommendFood("medium"); System.out.println("With medium activity, pet food is " + amount);

// My pet loses weight

myPet.setWeight(18);

// recommended food if my pet activity is medium

amount = myPet.recommendFood("medium"); System.out.println("With medium activity, pet food is " + amount);

amount = mySecondPet.recommendFood("medium"); System.out.println("With medium activity, pet food is " + amount);

}

}

public class Pet {

// fields for this class are the name and weight (in pounds)

public String name;

public int weight;

private String setPetType;

public Pet(String startname, int startweight) {

name = startname;

weight = startweight; }

public void setWeight(int newweight)

{

weight = newweight;

}

public String setPetType(int weight)

{

if (weight >= 20)

{

setPetType = "Great Dane";

}

else

{

setPetType = "Poodle";

}

return setPetType;

}

public double recommendFood(String activityLevel)

{

// initialize food to 0 ounces

double food = 0;

if (activityLevel.equals("low")) {

food = weight \* 2.0; }

if (activityLevel.equals("medium")) {

food = weight \* 2.2; }

if (activityLevel.equals("high")) {

food = weight \* 2.4; }

return food; }

public String toString(String petName, int petWeight,String PetType)

{

String petInfo, petweight;

petweight = String.valueOf(petWeight);

petInfo = petName + ", " + petweight+ ", " + PetType;

return petInfo;

}