31)

package doselect;

// doselect question 31

import java.util.ArrayList;

import java.util.Collections;

import java.util.Comparator;

import java.util.List;

public class Implementation {

public static void main(String[] args) {

imple i=new imple();

List<Dog> list = new ArrayList<Dog>();

list.add(new Dog("German Shepherd ", 20, 35));

list.add(new Dog("Labrador ", 5, 40));

list.add(new Dog("Pitbull ", 29, 100));

list.add(new Dog("Poodle", 10, 45));

List<Dog> m = i.filterByAgeAndWeight(list);

System.out.println(m);

}

}

class Dog

{

String name;

int age;

int weight;

public Dog(String name, int age, int weight)

{

this.name=name;

this.age=age;

this.weight=weight;

}

public String toString()

{

return "name=" + this.name + ", age=" + this.age +", weight="+this.weight;

}

public int getage() {

return age;

}

public void setage(int age) {

this.age=age;

}

public String getname() {

return name;

}

public void setname(String name) {

this.name=name;

}

public int getweight() {

return weight;

}

public void setweight(int weight) {

this.weight=weight;

}

}

class imple{

List<Dog> filterByAgeAndWeight(List<Dog> z){

List<Dog> l = new ArrayList() ;

for(Dog i : z) {

if(i.getage()>10 && i.getweight()>25) {

l.add(i);

}

}

return(l);

}

}