**package** pet\_lab;

**import** javax.swing.JOptionPane;

**public** **class** pet\_lab

{

**public** **static** **void** main(String[] args)

{

String pet,temp;

**double** payment;

**double** dog\_total=0,cat\_total=0,other\_total=0,total\_payment=0;

**int** dog=0,cat=0,other=0;

String more\_data="yes";

String most\_pets="";

**while**(more\_data.equals("yes"))

{

pet=JOptionPane.*showInputDialog*(**null**,

"Enter the pet type ", "",JOptionPane.***QUESTION\_MESSAGE***);

temp=JOptionPane.*showInputDialog*(**null**,

"Enter the payment for the appointment ", "",JOptionPane.***QUESTION\_MESSAGE***);

payment = Double.*parseDouble*(temp);

total\_payment=total\_payment+payment;

**if**(pet.equals("dog"))

{

dog=dog+1;

dog\_total=dog\_total+payment;

}

**else**

**if**(pet.equals("cat"))

{

cat=cat+1;

cat\_total=cat\_total+payment;

}

**else**

{

other=other+1;

other\_total=other\_total+payment;

}

more\_data=JOptionPane.*showInputDialog*(**null**,

"Enter more ? yes/no", "",JOptionPane.***QUESTION\_MESSAGE***);

}//end of while

**if**((dog>cat)&&(dog>other))

most\_pets="dog";

**else**

**if**((cat>dog)&&(cat>other))

most\_pets="cat";

**else**

most\_pets="other";

System.***out***.println("\n"+"\n"+"The number of dogs = "+dog+" dog payments = "+dog\_total);

System.***out***.println("The number of cats = "+cat+" cat payments = "+cat\_total);

System.***out***.println("The number of other animals = "+other+" other payments = "+other\_total);

System.***out***.println("The most pets seen = "+most\_pets);

System.***out***.println("Total payments = "+total\_payment);

System.*exit*(0);

}

}

