}

```
import java.util.Random;
class Mouse {
// Attribute is put into the private area
 private int legs;
 private String name;
// Helping functions
public int getRandomNum()
{
   Random rand = new Random(); //instance of random class
   int upperbound = 5;
   return rand.nextInt(upperbound);
// Constructor
// Manager function
public Mouse(int a, String n ){ legs = a; name = n; }
// Access function
// Get method
 public int getLegs(){ return legs; }
// Set method
 public void setLegs(int a){ legs = a; }
 public boolean isNormal(){return legs == 4;}
// Implementor function
public void fight()
{
   // Step 1: Call getRandomNum()
   this.legs = getRandomNum();
   // Step 2: Set the value of the data member legs
   //
             to the number returned from Step 1
```

```
public boolean equals(Object obj) {
Mouse nor;
if (!(obj instanceof Mouse)) return false;
nor = (Mouse) obj;
return (legs == nor.legs);
}
public String toString(){
return (this.name + " its legs number is " + this.legs);
}
}
//test program
public class TestMouse {
 public static void main (String args[]) {
 Mouse jerry = new Mouse(4, "jerry");
 Mouse mickey = new Mouse(4, "mickey");
 jerry.equals(mickey);
 for (;;){
 jerry.fight();
 mickey.fight();
 if (jerry.isNormal()){
      System.out.print("winner is ");
      System.out.println(jerry);
     break;
 }
 else if (mickey.isNormal()){
      System.out.print("winner is ");
      System.out.println(mickey);
     break;
 }
 else {
      System.out.println(jerry);
      System.out.println(mickey);
     break;
 }
 }
 }
}
```









