Grila Reflection

Se dau clasele de mai jos:

public abstract class Animal{  
  
 private String name;  
 public Animal(String name) { this.name = name; }  
}

public class Bird extends Animal {  
 private boolean walks;  
  
 public Bird() {  
 super("bird");  
 }  
  
 private void setWalks(boolean walks) {  
 this.walks = walks;  
 }  
  
 public boolean getWalks() {  
 return walks;  
 }  
}

import java.lang.reflect.Field;  
  
class Demo {  
 public static void main(String args[]) throws Exception {  
 Bird bird = new Bird();  
   
 Class cls = bird.getClass();  
 Field field = cls.getDeclaredField("waks");  
 Class<?> fieldClass = field.getType();  
  
 if ("boolean".equals(fieldClass.getSimpleName()))  
 System.*out*.println("da");  
 else  
 System.*out*.println("nu");  
 }  
}

In urma rularii acestui functiei main(), are loc:

1. Se afiseaza “nu”
2. Nu se afiseaza nimic
3. Se afiseaza “da”
4. Intampina NoSuchFieldException

Explicatie:

Se va intampina deoarece NoSuchFieldException numele field-ului nu poate fi gasit in clasa Bird.