

## Java

### Cordyceps.java

```
Package models;
public abstract class Cordyceps {
    private String origin;
    public Cordyceps (String origin) {
        this.origin = origin;
    }
    public void spread () {
        System.out.println ("El hongo se propaga desde: " + origin);
    }
    public abstract String behavior ();
}
```

### Recently Infected.java

```
Package models;
public class RecentlyInfected extends Cordyceps {
    private int hours;
    public RecentlyInfected (String origin) {
        super (origin);
        this.hours = 2;
    }
    @Override
    public String behavior () {
        return "En esta fase todavia es humano, esta es la primera
               etapa de la infección";
    }
    public void ShowHours () {
        System.out.println ("Horas desde el contacto: " + hours +
                           "horas. Esta fase puede durar de uno a dos días, dependiendo
                           de la persona infectada.");
    }
    //public void showHours () {
    //    public int getHours () {
    //        return hours;
    //    }
    //    public void resetHours () {
    //        hours = 0;
    //    }
}
```

## Runner.java

```
package models;
public class Runner extends Cordyceps {
    boolean aggressive;
    public Runner (String origin) {
        Super (origin);
        this.aggressive = true;
    }
    @Override
    public String behavior () {
        return "En esta etapa del Cordyceps el infectado corre rápido y ataca sin parar a la primera que ve.";
    }
    public void showAggression () {
        System.out.println ("Esta etapa es agresiva: " + aggressive +
            ". Son fáciles de abatir a pleno limpia, pero peligrosos");
    }
    public boolean isAggressive () {
        return aggressive;
    }
    public void calmDown () {
        aggressive = false;
    }
}
```

## Stalker.java

```
package models;
public class Stalker extends Cordyceps {
    protected boolean hidden;
    public Stalker (String origin) {
        Super (origin);
        this.hidden = true;
    }
    @Override
    public String behavior () {
        return "En esta fase del cordyceps sigue siendo muy fáciles a la anterior, pero en esta se oculta y ataca por sorpresa";
    }
    protected void hide () {
        System.out.println ("El acechador se ha escondido. Cuidado al acercarse.");
    }
    public void activateStealth () {
        hide ();
    }
    public boolean isHidden () {
        return hidden;
    }
}
```

```
public void reveal() {  
    hidden = false;  
}
```

## Clicker.java

```
package models;  
public class Clicker extends Cordyceps {  
    private String sound;  
    public Clicker(String origin) {  
        super(origin);  
        this.sound = "Click!";  
    }  
    @Override  
    public String behavior() {  
        return "En este paré el hongo ha dejado ojos al infectado,  
        usa ecoclocalización para cazar.\\nConsejo: no lo enfrentes  
        a mano limpia, evita el enfrentamiento.";  
    }  
    public void emitSound() {  
        System.out.println("Sonido emitido: " + sound);  
    }  
    public String getSound() {  
        return sound;  
    }  
    public void changeSound(String newSound) {  
        sound = newSound;  
        System.out.println("El changurro ha hecho un sonido  
        distinto: " + sound);  
    }  
}
```

## Bloather.java

```
package models;
public class Bloather extends Cordyceps {
    private int resistance;
    public Bloather (String origin) {
        super (origin);
        this . resistance = 100;
    }
    @Override
    public String behavior () {
        return "Última fase del cordyceps, en esta fase lanza  
esporas y es muy difícil de eliminar. In Consecuencia  
evita el enfrentamiento directo y usa un lanza llamas";
    }
    public void showResistance () {
        System.out.println ("Resistencia: " + resistance);
    }
    public int getResistance () {
        return resistance;
    }
    public void reduceResistance () {
        resistance -= 10;
    }
}
```

## Main.java

```
import models.*;
public class Main {
    public static void main (String [] args) {
        System.out.println ("Simulación de Cordyceps \n\nFase 1:  
RecentlyInfected (Infectado reciente) \n");
        RecentlyInfected phase1 = new RecentlyInfected ("Boston");
        phase1.spread ();
        System.out.println (phase1.behavior ());
        phase1.showHours ();
        System.out.println (phase1.getHours ());
        phase1.resetHours ();
        System.out.println ("\nIn primera fase del Cordyceps completa");
        System.out.println ("Fase 2: Runner (Corredor agresivo) \n");
        Runner phase2 = new Runner ("Pittsburgh");
        phase2.spread ();
        System.out.println (phase2.behavior ());
        phase2.showAggression ();
        System.out.println (phase2.isAggressive ());
        phase2.calmDown ();
        System.out.println ("\nIn Segunda fase del Hongre cordyceps completa");
    }
}
```

```
System.out.println("Fase 3: stalker (asesinato, sigilosos)\n");
Stalker phase3 = new Stalker ("Santafe");
phase3.spread();
System.out.println(phase3.behavior());
phase3.activateStealth();
System.out.println(phase3.isHidden());
phase3.reveal();
System.out.println("In Tercera fase del hongo (cordyceps completa)\n");

System.out.println("Fase 4: Clicker (chusquedas)\n");
Clicker phase4 = new Clicker ("Salt Lake City");
phase4.spread();
System.out.println(phase4.behavior());
phase4.emitSound();
System.out.println(phase4.getSound());
//phase4.out.println
phase4.changeSound("ichabod");
System.out.println("In cuarta fase del hongo (cordyceps completa)\n");

System.out.println("Fase 5: Bloather (gordiflaco o hinchado)\n");
Bloather phase5 = new Bloather ("Jackson");
phase5.spread();
System.out.println(phase5.behavior());
phase5.showResistance();
System.out.println(phase5.getResistance());
phase5.reduceResistance();
System.out.println("In Quinta fase del hongo (cordyceps completa)\n");
```

{}