Myvvoria - Game rempakan-copy Class Edit Tools Options MyWorld X Find... Close Compile Сору Paste Source Code import greenfoot.*; import java.util.List; import java.util.Random; * Write a description of class MyWorld here. * @author (your name) * @version (a version number or a date) */ public class MyWorld extends World ScoreBoard scoreBoard: int combo = 0; int shotDone = 0; int shotMiss = 0; Boards accBoard; Boards comboBoard; private void recalculateAcc(){ float accuracy; if(shotDone <=0){ accuracy = 0; accuracy = ((float) (shotDone - shotMiss) / shotDone) * 100; accBoard.setMessage("accuracy: " +accuracy + "%\nShot: " + shotDone + "\nMiss: " + shotMiss); private void updateCombo(){ comboBoard.setMessage("Combo: " + combo); public void incShotDone(){ this.shotDone++; recalculateAcc(); updateCombo();



```
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                                                                                                                                                                                              Source Code
        recalculateAcc();
        updateCombo();
    public void incShotMiss(){
        this.shotMiss++;
        combo = 0;
        comboBoard.setMessage("Combo: " + combo);
        recalculateAcc();
    public MyWorld()
        // Create a new world with 600x400 cells with a cell size of 1x1 pixels.
        super(600, 700, 1);
        spawnPlayer();
        this.scoreBoard = new ScoreBoard();
        this.addObject(scoreBoard, 300, 30);
        this.setPaintOrder(Characters.class, Boards.class, Props.class, Environments.class);
        accBoard = new Boards();
        this.addObject(accBoard, 80, 60);
        comboBoard = new Boards();
        this.addObject(comboBoard, 520, 60);
    private void spawnRandomObject(){
        Random rnd = new Random();
        Environments env = new Environments();
        this.addObject(env, rnd.nextInt(this.getWidth() - 30), 0);
    private void spawnPlayer(){
        Random rnd = new Random();
        Player p1 = new Player();
        p1.setRotation(270);
        this.addObject(pl, rnd.nextInt(this.getWidth() - 30), this.getHeight()-30);
    private void spawnEnemies(){
        Random rnd = new Random();
        for(int i=0; 1<rnd.nextInt(5); i++){
            G = ( + 0 2 -- 0) (
```

MyWorld - GameTembakan-copy Edit Tools Options

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lyWorld X
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        this.addubject(scoreBoard, 300, 30);
        this.setPaintOrder(Characters.class, Boards.class, Props.class, Environments.class);
        accBoard = new Boards();
        this.addObject(accBoard, 80, 60);
        comboBoard = new Boards();
        this.addObject(comboBoard, 520, 60);
    private void spawnRandomObject(){
        Random rnd = new Random():
        Environments env = new Environments();
        this.addObject(env, rnd.nextInt(this.getWidth() - 30), 0);
    private void spawnPlayer(){
        Random rnd = new Random():
        Player p1 = new Player();
        p1.setRotation(270);
        this.addObject(p1, rnd.nextInt(this.getWidth() - 30), this.getHeight()-30);
    private void spawnEnemies(){
        Random rnd = new Random();
        for(int i=0; 1<rnd.nextInt(5); i++){
            if(i % 2 == 0){
                Kutu kutu = new Kutu();
                this.addObject(kutu, rnd.nextInt(this.getWidth() - 30), 5);
            Enemies en = new Enemies();
            this.addObject(en, rnd.nextInt(this.getWidth() - 30), 5);
    public void act(){
        spawnRandomObject();
        List<Enemies> enemies = this.getObjects(Enemies.class);
        if(enemies.size()==0){
            spawnEnemies();
```



































Enemies - Game Jempakan-Copy Options Edit Tools Enemies - X MyWorld X Boards X Characters X Compile Copy Paste Find... Close Source Code import greenfoot.*; // (World, Actor, GreenfootImage, Greenfoot and MouseInfo) import java.util.List; * Write a description of class Enemies here. * @author (your name) * Oversion (a version number or a date) public class Enemies extends Characters protected int reward = 2; protected int speed = 3; public Enemies(){ GreenfootImage img = this.getImage(); img.scale(60, 60); this.setImage(img); this.setRotation(90); public void act() this.move(speed): MyWorld wrld = (MyWorld)this.getWorld(); List<Player> pls = this.getNeighbours(300, true, Player.class); if(pls.size()>0){ this.turnTowards(pls.get(0).getX(),pls.get(0).getY()); if(this.isTouching(Bullets.class)){ ScoreBoard scoreBoard = wrld.getObjects(ScoreBoard.class).get(0); scoreBoard.addScore(reward); this.removeTouching(Bullets.class); wrld.removeObject(this); return;

if(this.getY() == wrld.getHeight()-1){
 wrld.removeObject(this);

Enemies - Game Jempakan-copy Edit Tools Options MyWorld X Boards X Characters X Enemies * X Find... Close Cut Сору Paste Source Code Compile * Write a description of class Enemies here. * @author (your name) * Oversion (a version number or a date) */ public class Enemies extends Characters protected int reward = 2; protected int speed = 3; public Enemies(){ GreenfootImage img = this.getImage(); img.scale(60, 60); this.setImage(img); this.setRotation(90); public void act() this.move(speed); MyWorld wrld = (MyWorld)this.getWorld(); List<Player> pls = this.getNeighbours(300, true, Player.class); if(pls.size()>0){ this.turnTowards(pls.get(0).getX(),pls.get(0).getY()); if(this.isTouching(Bullets.class)){ ScoreBoard scoreBoard = wrld.getObjects(ScoreBoard.class).get(0); scoreBoard.addScore(reward); this.removeTouching(Bullets.class); wrld.removeObject(this); return; if(this.getY() == wrld.getHeight()-1){ wrld.removeObject(this);

^ (€ 1 (€ 41) 13.33

Kutu - Game rempakan-copy Class Edit Tools Options MyWorld X Boards X Characters X Enemies *X Kutu *X Compile Undo Cut Copy Paste Find... Close Source Code * Write a description of class Kutu here. * @author (your name) * @version (a version number or a date) public class Kutu extends Enemies 1** * Act - do whatever the Kutu wants to do. This method is called whenever * the 'Act' or 'Run' button gets pressed in the environment. public Kutu(){ this.reward = 1;





this.speed = 3;































Prayer - Game remorkan-copy

Class Edit Tools Options

lyWorld X Boards X Characters X Enemies * X Kutu * X Player + X Cut Сору Find... Close Source Code Compile Undo Paste * Write a description of class Player here. * @author (your name) * Øversion (a version number or a date) public class Player extends Characters int speed = 10; int bulletSpeed = 15; int cooldown = 20; int lastShotTimer = 0: public Player(){ GreenfootImage img = this.getImage(); img.scale(60, 60); this.setImage(img); private void tembak(){ MyWorld wrld = (MyWorld)this.getWorld(); Bullets bullet = new Bullets(); bullet.setRotation(this.getRotation()); wrld.incShotDone(); wrld.addObject(bullet, this.getX(), this.getY()); public void act() if(Greenfoot.isKeyDown("up")){ this.setLocation(this.getX(), this.getY()-speed); if(Greenfoot.isKeyDown("down")){ this.setLocation(this.getX(), this.getY()+speed); if(Greenfoot.isKeyDown("left")){ this.setLocation(this.getX() -speed, this.getY()); if(Cronnfoot inKowDown("right"))(

へ **信 恒 (4**) 13.39 **日**

Player - Game Jempakan-copy Edit Tools Options MyWorld X Boards X Characters X Enemies * X Kutu * X Player + X Compile Undo Copy Paste Find... Close Source Code public void act() if(Greenfoot.isKeyDown("up")){ this.setLocation(this.getX(), this.getY()-speed); if(Greenfoot.isKeyDown("down")){ this.setLocation(this.getX(), this.getY()+speed); if(Greenfoot.isKeyDown("left")){ this.setLocation(this.getX() -speed, this.getY()); if(Greenfoot.isKeyDown("right")){ this.setLocation(this.getX() +speed, this.getY()); System.out.println(lastShotTimer); if(lastShotTimer < cooldown && lastShotTimer > 0){ lastShotTimer ++; if(Greenfoot.isKeyDown("space") && lastShotTimer == 0){ tembak(); lastShotTimer++; if(lastShotTimer == cooldown){ lastShotTimer = 0; if(this.isTouching(Enemies.class)){ World wrld = this.getWorld(); Died d = new Died(); wrld.addObject(d, this.getX(), this.getY()); wrld.removeObject(this);

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Bullets - Game Jempakan-copy

```
fyWorld X Boards X Characters X Enemies → X Kutu ★ X Player + X Props X Bullets → X
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                                  Paste
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                                                                                                                                                                                            Source Code
/**
 * Write a description of class Bullets here.
 * @author (your name)
 * @version (a version number or a date)
public class Bullets extends Props
    int speed = 10;
    public Bullets(){
        GreenfootImage img = this.getImage();
        img.scale(20, 20);
        this.setImage(img);
    public Bullets(int bulletSpeed){
        GreenfootImage img = this.getImage();
        img.scale(30, 20);
        this.setImage(img);
        this.speed = bulletSpeed;
    public void act()
        this.move(speed);
        if(this.isAtEdge()){
            MyWorld wrld = (MyWorld)this.getWorld();
            wrld.incShotMiss();
            wrld.removeObject(this);
```







Class Edit Tools

Options





















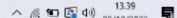
















Environments - Game Lempakan-copy Class Edit Tools Options MyWorld X Boards X Characters X | Enemies → X | Kutu ★ X | Player + X | Props X | Bullets - X | Died 🖽 X | Environments 🦼 X Compile Undo Cut Copy Paste Find... Close Source Code /** * Write a description of class Environments here. * Dauthor (your name) * @version (a version number or a date) public class Environments extends Props 1** * Act - do whatever the Environments wants to do. This method is called whenever * the 'Act' or 'Run' button gets pressed in the environment. public void act() int gravity = 10; int newY = this.getY()+2; this.setLocation(this.getX(), newY); if(newY >= this.getWorld().getHeight()-1){ this.getWorld().removeObject(this);

































Scoreboard - Game Lempakan-copy

Class Edit Tools Enemies * X Kutu X Player X Props X Bullets X Died X ScoreBoard X lyWorld X Boards X Characters X Environments VX Compile Undo Copy Find... Close Source Code /** * Write a description of class ScoreBoard here. * @author (your name) * @version (a version number or a date) public class ScoreBoard extends Props int score = 0; GreenfootImage scoreImage; public ScoreBoard(){ this.scoreImage = new GreenfootImage("Score:" +String.valueOf(this.score), 36, Color.WHITE, Color.BLACK); this.setImage(scoreImage); public void addScore(int score){ this.score += score; this.setImage(scoreImage); public void setScore(int score){ this.score = score; public int getScore(){ return this.score; public void act() this.scoreImage = new GreenfootImage("Score:" +String.valueOf(this.score), 36, Color.WHITE, Color.BLACK); this.setImage(scoreImage);





































Planeworld - Game Jempakan-copy Class Edit Tools Options MyWorld X Boards X Characters X Enemies 🐡 X Kutu 🗯 X Player 🕂 X Props X Bullets 🔸 X Died 🖰 X Environments 🦙 X ScoreBoard X PlaneWorld X Compile Undo Cut Find... Close Source Code Сору Paste * Write a description of class PlaneWorld here. * @author (your name) * Øversion (a version number or a date) public interface PlaneWorld public ScoreBoard getScoreBoard();











































Dieg - Game Jempakan-copy Class Edit Tools Options Enemies * X Kutu * X Player + X Props X Bullets X Died X MyWorld X Boards X Characters X Compile Undo Find... Close Cut Copy Paste Source Code /** * Write a description of class Died here. * Dauthor (your name) * @version (a version number or a date) public class Died extends Props int size = 60; public void act() GreenfootImage img = this.getImage(); img.scale(size, size); this.setImage(img); size--; if(size <=1){ World wrld = this.getWorld(); wrld.removeObject(this); Greenfoot.stop();























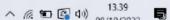












Characters - Game Lembakan-copy Class Edit Tools Options MyWorld X Boards X Characters X Find... Close Compile Undo Cut Copy Paste Source Code /** * Write a description of class Characters here. * Dauthor (your name) * @version (a version number or a date) public class Characters extends Actor 188 * Act - do whatever the Characters wants to do. This method is called whenever * the 'Act' or 'Run' button gets pressed in the environment. public void act() // Add your action code here























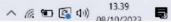






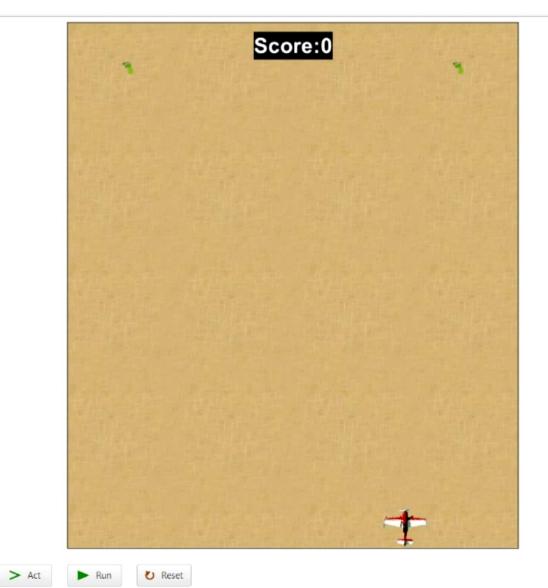


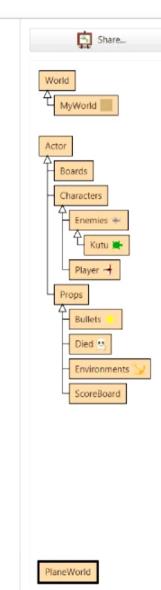






Scenario Edit Controls Tools Help





Speed: