Homework 15 Results

let spr;

function setup() {

createCanvas(400, 400);

spr = createSprite(

width/2, height/2, 40, 40);

spr.shapeColor = color(255);

spr.velocity.y = 0.5;

}

function draw() {

background(50);

if (spr.position.y >= height) {

spr.velocity.y \*= -1;

}

// set to height to prevent "tunneling"

spr.position.y = height;

noStroke();

textAlign(CENTER, CENTER);

text("use arrow keys, or SPACE to stop",

width/2, height\*0.67);

drawSprites();

}

function mousePressed() {

spr.position.x = mouseX;

spr.position.y = mouseY;

}

function keyPressed() {

if (keyCode == RIGHT\_ARROW) {

spr.setSpeed(1.5, 0);

}

else if (keyCode == DOWN\_ARROW) {

spr.setSpeed(1.5, 90);

}

else if (keyCode == LEFT\_ARROW) {

spr.setSpeed(1.5, 180);

}

else if (keyCode == UP\_ARROW) {

spr.setSpeed(1.5, 270);

}

else if (key == ' ') {

spr.setSpeed(0, 0);

}

return false;

spr.addSpeed(0.25, 90);

drawSprites();

}

function mousePressed() {

spr.position.y = mouseY;

}