Experiment 2

Source Code:

import java.applet.Applet;

import java.awt.Graphics;

/\*

<applet code="Handoff" width=400 height=600>

</applet>

\*/

public class Handoff extends Applet implements Runnable

{

int x = 50;

int y = 50;

int x\_bullet = 95;

int y\_bullet = 345;

boolean flag = false;

int count = 1;

public void start() {

new Thread(this).start();

}

public void run() {

while (true) {

try {

update();

Thread.sleep(50);

} catch (InterruptedException ex) {

}

}

}

public void update() {

x += 2;

if(y\_bullet < 80){

flag = true;

count -= 1;

}

if(!flag){

x\_bullet += 2\*count;

y\_bullet -= 10;

}

else{

if(y\_bullet > 300){

flag = false;

count += 2;

}

x\_bullet -= 2;

y\_bullet += 10;

}

if(x < 300){

repaint();

}

}

@Override

public void paint(Graphics g)

{

super.paint(g);

g.drawOval(x, 50, 90, 90);

g.drawOval(50, 300, 90, 90);

g.drawOval(100, 200, 30, 30);

g.drawOval(300, 200, 30, 30);

g.drawOval(x\_bullet,y\_bullet,5,5);

if(x<150){

g.drawLine(115,215,x+45,95);

}

else{

g.drawLine(315,215,x+45,95);

}

}

}

Output:



