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\* Class:ElevenPointFourteenEx11.14 Pg.440 Author: Yin Linhai

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\* A program that moves 2 rectangles at different time but in a ratio of 1:2

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\* School:Sir Winston Churchill High School, Calgary, Alberta, Canada

\* Language: Java SE 7.0Target Operating System: Java Virtual Machine

\* System:Intel Celeron 3GHz running under Windows 7 IDE: Eclipse 4.2

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**package** timer;

**import** java.awt.Rectangle;

**import** java.awt.event.ActionEvent;

**import** java.awt.event.ActionListener;

**import** javax.swing.Timer;

**public** **class** ElevenPointFourteen {

**public** **static** **void** main(String[] args) {

**int** delay = 1000;

**final** Rectangle rct = **new** Rectangle(0,0,5,5);

**final** Rectangle rct2 = **new** Rectangle(0,0,5,5);

ActionListener moveRectangle = **new** ActionListener() {

@Override

**public** **void** actionPerformed(ActionEvent arg0) {

rct.setLocation(rct.x+1,rct.y+1);

System.*out*.println(rct.toString());

}

};

ActionListener moveRectangle2 = **new** ActionListener() {

@Override

**public** **void** actionPerformed(ActionEvent arg0) {

rct2.setLocation(rct2.x+1,rct2.y+1);

System.*out*.println(rct2.toString());

}

};

Timer time = **new** Timer(delay/2, moveRectangle);

Timer time2 = **new** Timer(delay, moveRectangle2);

**while** (**true**) {

time.start();

time2.start();

}

}

}

**Output**

java.awt.Rectangle[x=1,y=1,width=5,height=5]

java.awt.Rectangle[x=1,y=1,width=5,height=5]

java.awt.Rectangle[x=2,y=2,width=5,height=5]

java.awt.Rectangle[x=3,y=3,width=5,height=5]

java.awt.Rectangle[x=2,y=2,width=5,height=5]

java.awt.Rectangle[x=4,y=4,width=5,height=5]

java.awt.Rectangle[x=5,y=5,width=5,height=5]

java.awt.Rectangle[x=3,y=3,width=5,height=5]

java.awt.Rectangle[x=6,y=6,width=5,height=5]

java.awt.Rectangle[x=7,y=7,width=5,height=5]

java.awt.Rectangle[x=4,y=4,width=5,height=5]

java.awt.Rectangle[x=8,y=8,width=5,height=5]

java.awt.Rectangle[x=9,y=9,width=5,height=5]