import java.awt.\*;

import java.applet.\*;

public class DrawShapes extends Applet {

Font font;

Color blackColor;

Color whiteColor;

Color grayColor;

public void init() {

// The Font is Arial size 18 and is italicized

font = new Font("Arial", Font.ITALIC, 18);

// Colors are black, white, and gray

blackColor = Color.black;

whiteColor = Color.white;

grayColor = Color.gray;

// Set the background color of the applet to gray

setBackground(grayColor);

}

public void stop() {

}

/\*\*

\* This method paints the shapes to the screen

\*/

public void paint(Graphics graph) {

// Set font

graph.setFont(font);

// Create a title in white

graph.setColor(whiteColor);

graph.drawString("Draw Shapes", 90, 20);

// Set the color for the first shape (black)

graph.setColor(blackColor);

// Draw a rectangle using drawRect(int x, int y, int width, int height)

graph.drawRect(120, 120, 120, 120);

// Fill a rectangle with white color

graph.setColor(whiteColor);

graph.fillRect(115, 115, 90, 90);

// Set the color for the next shape (gray)

graph.setColor(grayColor);

// Draw a circle using fillArc(int x, int y, int width, int height, int startAngle, int arcAngle)

graph.fillArc(110, 110, 50, 50, 0, 360);

// Set color for next shape (black)

graph.setColor(blackColor);

// Draw another rectangle

graph.drawRect(50, 50, 50, 50);

// Fill a rectangle with gray color

graph.setColor(grayColor);

graph.fillRect(50, 50, 60, 60);

}

}

2. +--------+

| Tree |

+--------+

/ \

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| Hardwood | | Softwood |

+----------+ +----------+

/ \ / \

/ \ / \

+------+ +------+ +------+ +-------+

| Birch| | Ash | | Cedar| | Pine |

+------+ +------+ +------+ +-------+

|

|

+--------+

|Red Pine|

|  |
| --- |
| +---+  | A |  +---+  / \  / \  +----+ +----+  | B | | C |  +----+ +----+  | |  | |  +---+ +---+  | D | | E |  +---+ +---+  |  |  +---+  | F |  +---+ |