

BASIC APPLLET API

class java.awt.Panel extends Container

setLayout(Layout a) set the layout for this panel
add(Component a) add this component to the panel window
add(Component a, Object b) For example, using BorderLayout, b can be "North", "Center" etc.

class java.applet.Applet extends Panel

init() executes when Applet is loaded from the Browser
start() executes every time the Browser shows the Applet
stop() executes every time the Browser "hides" the Applet
destroy() executes just before the Applet is discarded
paint(Graphics g) executes every time the user adjust the window
remove(Component c) remove this component from the Applet window
invalidate() mark the window as invalid (not in sync with last update)
validate() update an invalidated window
getGraphics() returns an *instance* of the class Graphics

abstract class java.awt.Component extends Object

addActionListener(Listener l) Enables the listener to receive events
addMouseListener(MouseMotionListener m) notifies mouse events to the listener
getX() returns X position of this component
getY() returns Y position of this component
getText() returns string contained in the component
repaint() repaint this Component A.S.A.P.
setBackground(Color c) sets the color
setFont(Font f) sets the font
setLocation(int x, int y) moves the component to the new location

class java.awt.Label extends Component

RIGHT, CENTER, LEFT available static int fields for setting alignment
setAlignment(int a) does NOT work with the FlowLayout
setText(String s) set the String on the component

class java.awt.Button extends Component

setLabel(String s) set the String as the label for this button
processEvent(AWTEvent e) process the event on this button

class java.awt.TextComponent extends Component

setEditable(boolean b) enables/disables editing for this TextComponent
setText(String s) set the text presented by this TextComponent

class java.awt.TextField extends TextComponent

TextField(int c) constructor with empty text and width 'c' (in columns)
TextField(String s) constructor with text 's'
TextField(String s, int c) constructor with text 's' and width 'c' (in columns)
setText(String s) set the text presented by this TextComponent

class java.awt.TextArea extends TextComponent

TextArea(A, x, y) constructor with text A, rows x and columns y

append(String s) append the string to current text

class java.awt.event.ActionEvent extends AWTEvent
getActionCommand() returns the String associated with the action
getSource() returns the Object on which the event occurred

interface java.awt.event.ActionListener extends EventListener
actionPerformed(ActionEvent e) invoked when event occurs. **MUST** be implemented!
Note: execution of this method can be forced by calling
actionListener.actionPerformed(actionEvent)

interface java.awt.event.MouseMotionListener extends EventListener
mouseMoved(MouseEvent e) Invoked when the mouse moves on a component
mouseDragged(MouseEvent e) Invoked when the mouse drags on a component

abstract class java.awt.Graphics extends Objects
drawString(String s,int x, int y) draws string using current Graphic's content font and color
setFont(Font f) Set Graphic's context current font
setColor(Color c) Set Graphic's context current color

Note: the Graphics class allows an application to draw onto Component objects

class java.awt.Color extends Object implements Paint, Serializable
RED, BLUE etc. available static Color fields for setting colors
Color(Color.BLUE) constructor
Color(int red,int green,int blue) constructor using RGB notation

class java.awt.Font extends Object implements Serializable
Font(String s, int style, int size) e.g: Font("Helvetica",Font.BOLD,12)

class java.awt.FlowLayout extends Object implements ...
FlowLayout() constructor for default Applet layout

class java.awt.GridLayout extends Object implements ...
GridLayout(int x, int y) constructor for 'x' rows and 'y' columns

class java.awt.BorderLayout extends Object implements ...
BorderLayout() costructor splitting Applet's surface in 5 parts: "Center", "East",, "North".