

```
-----
-- Connect Four (TM) GNAPPLET
--
-- By: Barry Fagin and Martin Carlisle
-- US Air Force Academy, Department of Computer Science
-- mailto:carlisle@acm.org
--
-- Adapted for JVM-GNAT GPL 2009 by Pascal Pignard
-- http://blady.pagesperso-orange.fr
--
-- This is free software; you can redistribute it and/or
-- modify without restriction. We do ask that you please keep
-- the original author information, and clearly indicate if the
-- software has been modified.
--
-- This software is distributed in the hope that it will be useful,
-- but WITHOUT ANY WARRANTY; without even the implied warranty
-- of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
-----

with Java.Awt.Event.Mouselistener;
with Java.Awt.Event.MouseEvent;
with Java.Awt.Image;
with Java.Awt.Image.ImageObserver;
with Java.Awt.Graphics;
with Java.Applet.Applet;
with Java.Lang.String;
with Java.IO.Serializable;
with Java.Awt.MenuContainer;
with Javax.Accessibility.Accessible;

package ConnectFour is

  -- Adding these discriminants to a type is the magic way of
  -- telling JVM-GNAT that you are implementing these interfaces.
  type Typ
    (I_Serializable : java.io.Serializable.Ref;
     I_MenuContainer : java.awt.MenuContainer.Ref;
     I_ImageObserver : java.awt.image.ImageObserver.Ref;
     I_MouseListener : Java.Awt.Event.Mouselistener.Ref;
     I_Accessible : Javax.Accessibility.Accessible.Ref)
  is new Java.Applet.Applet.Typ (I_MenuContainer,
                                I_ImageObserver,
                                I_Serializable,
                                I_Accessible)

  with record
    User_Turn : Boolean;
  end record;
  type Ref is access all Typ'Class;
  pragma Convention (Java, Typ);

  -- The following are the specifications for the overridden
  -- methods from the Applet and MouseListener interfaces

  function GetAppletInfo (This : access Typ) return Java.Lang.String.Ref;

  procedure Init (This : access Typ);

  procedure Paint (This : access Typ;
                  G1 : access Java.Awt.Graphics.Typ'Class);

  procedure Update (This : access Typ;
                   G : access java.awt.Graphics.Typ'Class);

  procedure mouseReleased (This : access Typ;
                           E : access java.awt.event.MouseEvent.Typ'Class);
  pragma Convention (Java, MouseReleased);

  procedure mouseClicked (This : access Typ;
                           P1 : access java.awt.event.MouseEvent.Typ'Class);
  pragma Convention (Java, MouseClicked);

  procedure mouseEntered (This : access Typ;
```

```
                P1 : access java.awt.event.MouseEvent.Typ'Class);  
pragma Convention (Java, MouseEntered);  
  
procedure mouseExited (This : access Typ;  
                P1 : access java.awt.event.MouseEvent.Typ'Class);  
pragma Convention (Java, MouseExited);  
  
procedure mousePressed (This : access Typ;  
                E : access java.awt.event.MouseEvent.Typ'Class);  
pragma Convention (Java, MousePressed);  
  
end ConnectFour;
```