

MainFrame.java

```
package hp;

public class MainFrame extends javax.swing.JFrame {
    public MainFrame() {
        initComponents();
        KeyboardFocusManager.getCurrentKeyboardFocusManager().addKeyEventDispatcher(new FocusManager() {
            @Override
            public boolean dispatchKeyEvent(KeyEvent e) {
                if (e.getID() == KeyEvent.KEY_RELEASED && e.getKeyCode() == KeyEvent.VK_F1) {
                    System.out.println("F1");
                }
                return super.dispatchKeyEvent(e); //To change body of generated methods, choose Tools | Templates.
            }
        });
    }
}
```

HelpFrame.java

```
package hp;

public class HelpFrame extends javax.swing.JFrame {
    private URL helpURL;
    private static boolean DEBUG = false;

    public HelpFrame() {
        initComponents();
        initHelp();
    }

    private void jTree1ValueChanged(javax.swing.event.TreeSelectionEvent evt) {
        String s = "MainHelp.html";
        String sevt = evt.getPath().toString();
        if (sevt.equals("[Справка, п1]")) {
            s = "tutorial_1.html";
        }
        if (sevt.equals("[Справка, п2]")) {
            s = "tutorial.html";
        }
        helpURL = getClass().getResource(s);
        if (helpURL == null) {
            System.err.println("Couldn't open help file: " + s);
        } else if (DEBUG) {
            System.out.println("Help URL is " + helpURL);
        }
        displayURL(helpURL);
    }

    private void initHelp() {
        String s = "MainHelp.html";
        helpURL = getClass().getResource(s);
        if (helpURL == null) {
            System.err.println("Couldn't open help file: " + s);
        } else if (DEBUG) {
            System.out.println("Help URL is " + helpURL);
        }

        displayURL(helpURL);
    }

    private void displayURL(URL url) {
        try {
            if (url != null) {
                jTextPane1.setPage(url);
            } else { //null url
                jTextPane1.setText("File Not Found");
            }
        }
    }
}
```

```
        if (DEBUG) {  
            System.out.println("Attempted to display a null URL.");  
        }  
    }  
} catch (IOException e) {  
    System.err.println("Attempted to read a bad URL: " + url);  
}  
}  
}
```