

Applet [Study Experiment]

1. What is Applet?

Applet is a special type of program that is embedded in the webpage to generate the dynamic content. It runs inside the browser and works at client side.

Advantage of Applet

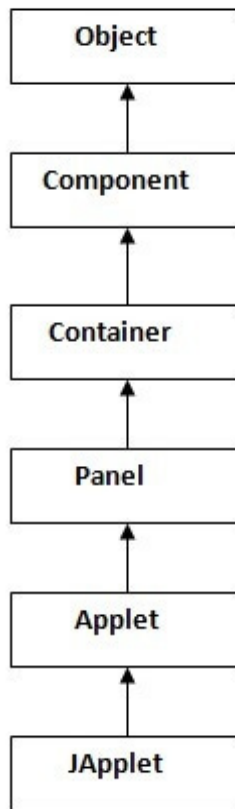
There are many advantages of applet. They are as follows:

- It works at client side so less response time.
- Secured
- It can be executed by browsers running under many platforms, including Linux, Windows, Mac Os etc.

Drawback of Applet

- Plugin is required at client browser to execute applet.

Hierarchy of Applet



As displayed in the above diagram, Applet class extends Panel. Panel class extends Container which is the subclass of Component.

Lifecycle of Java Applet

1. Applet is initialized.
2. Applet is started.
3. Applet is painted.
4. Applet is stopped.
5. Applet is destroyed.

Applet Lifecycle



Lifecycle methods for Applet:

The `java.applet.Applet` class 4 life cycle methods and `java.awt.Component` class provides 1 life cycle methods for an applet.

Create Hello World applet.

```
import java.applet.Applet;  
import java.awt.Graphics;  
  
public class HelloWorld extends Applet {
```

```
public void paint(Graphics g) {  
  
    g.drawString("Hello World !", 10, 30);  
}  
}
```

OUTPUT

