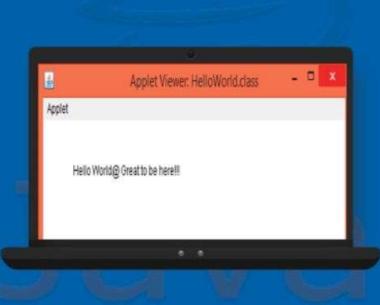
Applets in Java





What is Applet???

Applets are small applications that are accessed on an Internet server, transported over the Internet, automatically installed, and run as part of a Web document.

An Applet is a JAVA program that can be embedded into HTMI page.

ADVANTAGES OF APPLET

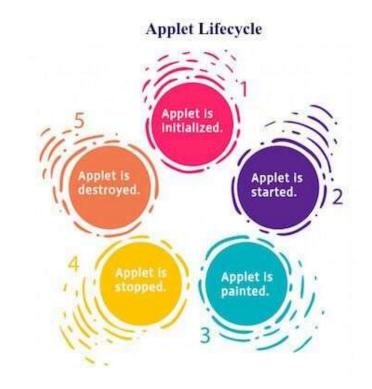
- Cross platform and can run on Windows, MacOS and Linux platform.
- Applet can work all the version of JAVA plugin.
- Applerts run in a sandbox.
- Applets are supported by most web browsers.
- Applets area cached in most web browsers.

DISADVANTAGES OF APPLET

- JAVA plugin is required to run Applet.
- Java Applet requires JMM
- If Appletis notalready cached in machine, it will be downloaded from internet and will take time.
- It is difficult to design and build good user interface in Applets compared to HTML technology.

LIFE CYCLE OF AN APPLET

- Applets life cycle includes the following methods:
- 1. Init()
- 2. Start()
- 3. Paint()
- 4. Stop()
- 5. Destroy()



- init(): Is used to initialized the applet. It is invoked only once.
- **start():** Is invoked after the init() method or browser is maximized. It is used to start the applet.
- **paint(graphics g):** is used to paint the applet. It provides graphics class object that can be used for drawing oval, rectangle, arc etc.
- **stop():** Is used to stop the applet. It is invoked when applet is stop or browser is minimized.
- destroy(): Is used to destroy the applet. It is invoked only once.

TYPES OF APPLETS

Applets are two types:

1. Simple applets

• simple applets can be created by extending applet class

2.Japplets

japplets can be created by extending japplet class of javax. Swing. Japplet package

CREATING APPLETS

Applets are created by extending the applet class:

```
// Save file as HelloWorldjava
import java.applet.Applet;
import java.awt.Graphics;
public class HelloWorld extends.Applet{
    public void paint (Graphics g) {
        g.drawString ("Hello World", 20, 20);}}
```



```
<applet code="HelloWorld" width=200 height=60>
</applet>
```