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Java Lab 12

Applet

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 plateforms, including Linux, Windows, Mac Os etc.
Drawback of Applet
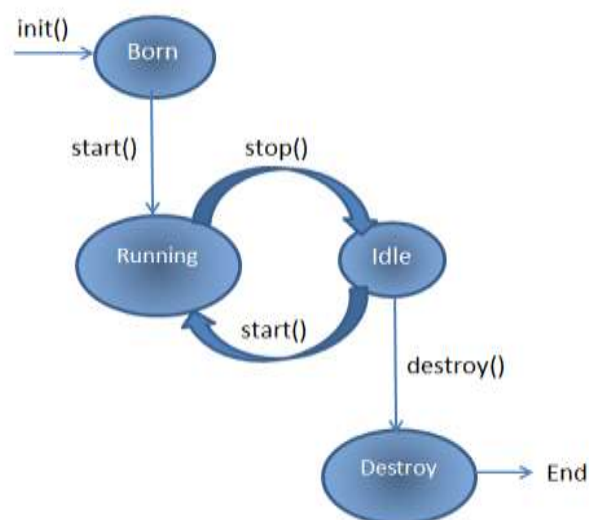Plugin is required at client browser to execute applet.

2. **Life cycle of an applet.**

In Java, an applet
is a special type of program embedded in the web page to generate dynamic content. Applet is a class in Java.

The applet life cycle can be defined as the process of how the object is created, started, stopped, and destroyed during the entire execution of its application. It basically has five core methods namely init(), start(), stop(), paint() and destroy().These methods are invoked by the browser to execute.
Along with the browser, the applet also works on the client side, thus having less processing time.

3. Create Hello World applet.

```java
import java.applet.Applet;
import java.awt.Graphics;

public class HelloWorld extends Applet {
    public void paint(Graphics g) {
        g.drawString("Hello world!", 50, 25);
    }
}
```