Java Programming Language SE – 6

Module 14: Applet

Team Emertxe

ORACLE®

Certified Professional

Java SE 6 Programmer

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Objectives

- Applet Basics

- Advantage and DrawBack

- Lifecycle of Java Applet

- Graphics in Applet

Applet Basics

- Java Applets are small progams written in the java programming language that can be embedded into web pages.

- It runs inside the browser and works at client side.

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Advantage of Applet

- Secured

- It can be executed by browsers under many plateforms including Linux,Windows,Os etc.

- It Works at client side so less response time.

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Drawback

Plugin is required to execute applet.

Applet Life Cycle Methods

init() method

called when an applet is loaded.This method initialize the variables to be used in the applet.

start() method

called each time an applet is started.

paint() method

This method is used for drawing strings,figures,and images on the applet window.

stop() method

called when the browser moves off the applet page.

destroy() method

 called when browser is finished with applet.

How to run an Applet?

1. By html File.

2. By appletViewer tool.

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Example

```
// Sample.java
 import java.applet.Applet;
import java.awt.Graphics;
public class Sample extends Applet
{
public void paint(Graphics g)
{
g.drawString("Welcome to java world",150,150);
}
}
```

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Example Html file

```
<html>

<body>

<applet code ="Sample.class" width ="250"

height ="300">

</applet>

</body>

</html>
```

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Applet Graphics

- drawRect(int x,int y,int width,int height)

- drawLine(int x1,int y1,int x2,int y2)

- drawOval(int x ,int y,int width,int height)

- drawArc(int x,int y,int width,int height,int startAngle,int arcAngle)

- setColor(Color c)

- setFont(Font font)
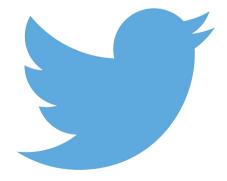
- fillOval(int x,int y,int width,int height)

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