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Subject: JAVA (5th sem.)
Topic: Java Applet

Introduction to Java Applet

Let's understand first how many Package does GUI support:

1. AWT(Abstract Window Toolkit)
2. Swing

Throwback of making GUI application:

Java was launched on 23-Jan-1996(JDK 1.0) and at that time it only supported CUI(Character User Interface) application. But in 1996 VB(Visual Basic) of Microsoft was preferred for GUI programming. So the Java developers in hurry(i.e within 7 days) have given the support for GUI from Operating System(OS). Now, the components like button,etc. were platform-dependent(i.e in each platform there will be different size, shape button). But they did the intersection of such components from all platforms and gave a small library which contains these intersections and it is available in AWT(Abstract Window Toolkit) technology but it doesn't have advanced features like dialogue box, etc.

Now to run Applet, java needs a browser and at that time only "Internet Explorer" was there of Microsoft but Microsoft believes in monopoly. So "SUN Micro-System"(the company which developed Java) contracted with other company known as "Netscape"(which developed Java Script) and now the "Netscape" company is also known as "Mozilla Firefox" which we all know is a browser. Now, these two companies have developed a technology called "SWING" and the benefit is that the SWING components are produced by Java itself. Therefore now it is platform-independent as well as some additional features have also been added which were not in AWT technology. So we can say that SWING is much more advanced as compared to AWT technology.