Exercise-17
Applets
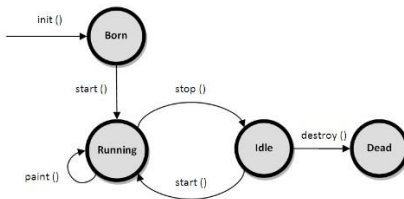
Q1. Define Applet.
Ans: Applet is *a special type of program that is embedded in the webpage to generate the dynamic content*. It runs inside the browser and works at client side.

Q2. List the applet life cycle methods.
Ans: It basically has five core methods namely:
init()
start()
stop()
paint()
destroy().

Q3. Draw the diagram showing different stages of applet life cycle. Ans:

Q4. What is the use of init method?
Ans: Override the class initializer init() to initialize or allocate resources for the servlet instance's life, such as a counter. The init() method runs after the servlet is instantiated but before it accepts any requests.

Q5. What is the use of paint method?
Ans: The method paint() gives us access to an object of type Graphics class. Using the object of the Graphics class, we can call the drawString() method of the Graphics class to write a text message in the applet window.

Q6. How many constructors does applet have?
Ans: Applets don't usually have constructors because an appllets isn't guaranteed to have a full environment until its init() method is called. For example, the Applet image loading methods don't work inside an applet constructor, butcan be called from the init() method.

Q7. List the tools to execute applet program
Ans: There are two standard methods for running an applet:
By using Web Browser.
By using Applet Viewer

Q8. What is the use of applet tag in html file?
Ans: Applet tag in HTML file is used specify the applet class file, height and width of applet.

Q9. Write the html line of code that include applet in the html file. Ans: <applet code = "Applet_File.class", height="h", width="w">

Q10. Does applet have file reading/writing capabilities.
Ans: . An *applet* cannot ordinarily *read* or *write files* on the execution host
.

Q11. What is the name of the package that supports applet? Ans: java.applet.* package supports applet.

Q12. Why applet are not support by java now?
Ans: java applets would depend on a Java Runtime Environment (JRE), a complex and heavy-weight software package. They also normally required a plug-in for the web browser.

Q13. From which version of java stop supporting applet?
Ans: Oracle announced in January 2016 that Applets would be deprecated in Java SE 9, and the technology was removed in Java SE 11.