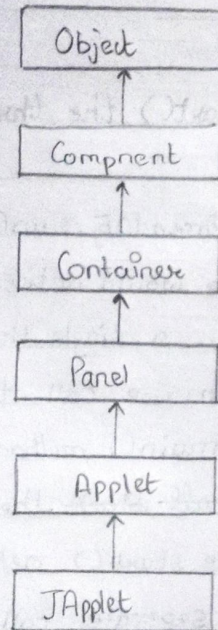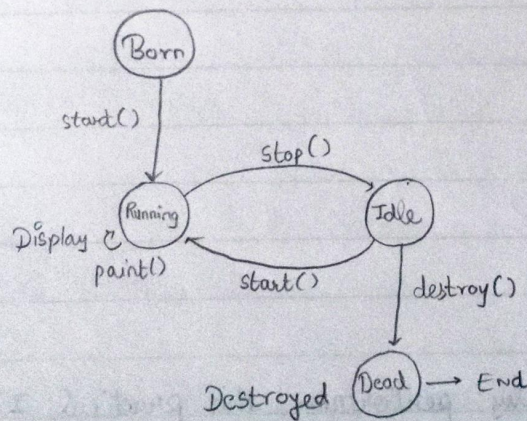# Practical No. 15

Aim: Create, debug and run Java programs based on Applets.

Diagram:

15.1 Hierarchy of Applet

15.2 Applet Life Cycle

Practical No. 15

Aim: Create, debug and run Java programs based on Applets.

Theory:

What is a java applet?

Applet is a specific 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.

What are the advantages of Applet?

- It works at client side, so less response time.
- Can be used by browsers running under various platforms, including Linux, windows, Mac OS X.

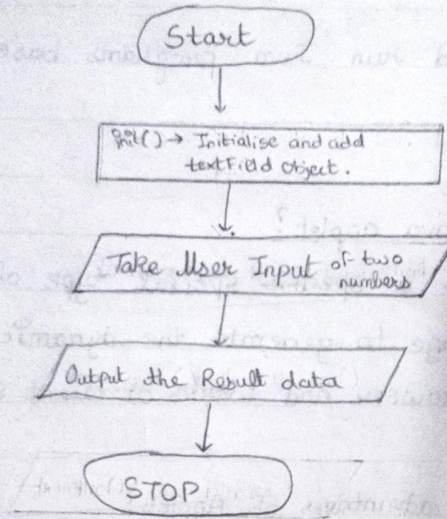### What is the drawback of applets?

A major drawback of applets is that a plugin is required at client browser to exeut execute applet.

What are the stages of Applet life cycle?

The four states in an applet life cycle are:

1) Born or initialization state
2) Running State
3) Idle state
4) Dead or destroyed state

Flowchart:

```
            ( Start )
                |
                v
    +---------------------------+
    | init() -> Initialise and add |
    |        textField object.   |
    +---------------------------+
                |
                v
    /  Take User Input of two  /
    /          numbers         /
                |
                v
    /  Output the Result data  /
                |
                v
            ( STOP )
```

Conclusion:

Hence, by performing this practical, I created, debugged and executed java programs based on Applets.