

Experiment No. 11
Implement a program on Applet or AWT Controls
Date of Performance:
Date of Submission:



## Vidyavardhini's College of Engineering and Technology

## Department of Artificial Intelligence & Data Science

**Aim:** Implement a program on Applet or AWT Controls

**Objective:** 

To develop application like Calculator, Games, Animation using AWT Controls.

**Theory:** 

Java AWT (Abstract Window Toolkit) is an API to develop Graphical User Interface (GUI) or windows-based

applications in Java.

Java AWT components are platform-dependent i.e. components are displayed according to the view of operating

system. AWT is heavy weight i.e. its components are using the resources of underlying operating system (OS).

package provides classes for AWT The java.awt API such as TextField, Label, TextArea,

RadioButton, CheckBox, Choice, List etc.

1. A general interface between Java and the native system, used for windowing, events

and layout managers. This API is at the core of Java GUI programming and is also used

by Swing and Java 2D. It contains the interface between the native windowing system

and the Java application 1.

2. A basic set of GUI widgets such as buttons, text boxes, and menus 1. AWT also provides Graphics and

imaging tools, such as shape, color, and font classes2. AWT also avails layout managers which helps

in increasing the flexibility of the window layouts2

Java AWT calls the native platform calls the native platform (operating systems) subroutine for creating

API components like TextField, ChechBox, button, etc.

For example, an AWT GUI with components like TextField, label and button will have different look and

feel for the different platforms like Windows, MAC OS, and Unix. The reason for this is the platforms

have different view for their native components and AWT directly calls the native subroutine that creates

those components.

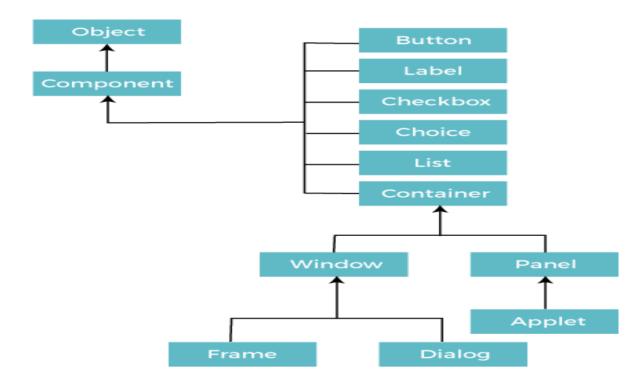
In simple words, an AWT application will look like a windows application in Windows OS whereas it will

look like a Mac application in the MAC OS.

**Java AWT Hierarchy** 

## A STANAROTHIA

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**Code:** 

**Conclusion:**