**SWING**

* create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java.
* SWING is a set of classes that provides more powerful and flexible component then AWT

Difference between AWT and Swing

There are many differences between java awt and swing that are given below.

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| **No.** | **Java AWT** | **Java Swing** |
| 1) | AWT components are **platform-dependent**. | Java swing components are **platform-independent**. |
| 2) | AWT components are **heavyweight**. | Swing components are **lightweight**. |
| 3) | AWT **doesn't support pluggable look and feel**. | Swing **supports pluggable look and feel**. |
| 4) | AWT provides **less components** than Swing. | Swing provides **more powerful components** such as tables, lists, scrollpanes, colorchooser, tabbedpane etc. |
| 5) | AWT **doesn't follows MVC**(Model View Controller) where model represents data, view represents presentation and controller acts as an interface between model and view. | Swing **follows MVC**. |

### Hierarchy of Java Swing classes

The hierarchy of java swing API is given below.

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