Calculator

**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).

The java.awt [package](https://www.javatpoint.com/package) provides [classes](https://www.javatpoint.com/object-and-class-in-java) for AWT API such as [TextField](https://www.javatpoint.com/java-awt-textfield), [Label](https://www.javatpoint.com/java-awt-label), [TextArea](https://www.javatpoint.com/java-awt-textarea), RadioButton, [CheckBox](https://www.javatpoint.com/java-awt-checkbox), [Choice](https://www.javatpoint.com/java-awt-choice), [List](https://www.javatpoint.com/java-awt-list) etc.

**Java Swing tutorial** is a part of Java Foundation Classes (JFC) that is used to create window-based applications. It is built on the top of AWT (Abstract Windowing Toolkit) API and entirely written in java.

Unlike AWT, Java Swing provides platform-independent and lightweight components.

The javax.swing package provides classes for java swing API such as JButton, JTextField, JTextArea, JRadioButton, JCheckbox, JMenu, JColorChooser etc.

While, making this tutorial firs tgive a brief session of roadmap and designing of calculator. We shouldn’t directly jump on coding the project

But understna dwhy we are taking those steps to mke the project, the logic

A project is not just aproject it’s a product. And only a complete product has a value.