

Java Programming Lab Manual

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JAVA PROGRAMMING LAB MANUAL

Editors

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Chapter 30

Comparison between different class types

Muniba Shaikh, Zeeshan Bhatti, Asadullah Shah

Abstract

There are several class types or ways in which classes can be defined in Java programming. These types of classes are Inner or nested class, Member class, Local class and anonymous class. In this chapter the students will learn the difference between these various class types in Java.

30.1 Difference between types of classes

The table 30.1 lists and shows the comparison between the various types of classes in Java language. The properties and their example code is also given for ease of understanding.

Table 30.1 Comparison between types of classes

Class Type	Properties of class type	Example Code
<p>Nested Top-Level class [not an inner class]</p>	<ul style="list-style-type: none"> • Nested Top-Level class is a nested class that is declared "static" • Nested top-level classes are used as a convenient way to group related classes. • This is, but a new kind of top-level class • Since static doesn't have a "this" pointer to an instance of the enclosing 	<pre>class outer { int a, b; static class myInner { int c, d; void innerMethod() {.....} } void outerMethod() { myInner mi = new myInner(); } } class other { outer.myInneroutInner = new</pre>