

Java

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Java Data Types

Data types are used to declare a variable before its use. Data types represents the type of information present in a variable. Data types are the keywords, which are used for assigning a type to a variable.

Different Data Types available in Java

Primitives Data Type

- Integer Type
- Float-point Type
- Character Type
- Boolean Type

Non-Primitive Data Types

- Class
- Array
- Interface

Primitives Data Type

Integer Type

Integer data type are like whole numbers, they also include negative numbers but does not support decimal numbers.

Type	Storage size	Value range	Default Value
byte	1 bytes	-128 to 127	0
short	2 bytes	-32,768 to 32,767	0
int	4 bytes	-2,147,483,648 to 2,147,483,647	0
long	8 bytes	-9,223,372,036,854,775,808 to 9,223,372,036,854,775,807	0

Float-point Type

Float data type allows user to store decimal values in a variable.

Type	Storage size	Value range	Default Value
float	4 byte	1.4e-045 to 3.4e+038	0.0f
double	8 byte	4.9e-324 to 1.8e+308	0.0

Character Type

Character data type is used to store only one letter, digit, symbol at a time. Java character uses unicode rather than ASCII code. '\u0000' is the smallest unicode and '\uffff' is the kargest unicode.

Type	Storage size	Value range	Default Value
char	1 byte	0 to 65,536	'\u0000'

Boolean Type

The boolean data type has only two possible values either true or false. Boolean data type represents one bit of information.

Type	Storage size	Value range	Default Value
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Java Inheritance (22-Java-Inheritance.aspx)	boolean	1 bit	Has no range.	false
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Non-Primitive Data Types

Java Super Keyword (24-Java-Super-Keyword.aspx)	Class
Java Inheritance Types (25-Java-Types-of-Inheritance.aspx)	Class is an encapsulation of data and coding. Class is userdefined datatype. Variables declared in class are called Data Members. Functions defined in class are called Member Functions. More info (13-Java-Classes-And-Object.aspx)
Java Function Overriding (26-Java-Function-Overriding.aspx)	Array
Java Final Keyword (27-Java-Final-Keyword.aspx)	Array is a collection of similar data type. More info (12-Java-Array.aspx)
Java Abstract Class (28-Java-Abstract-Class.aspx)	Inteface
Java Interface (29-Java-Interface.aspx)	Interface is used in situation, when we need to restrict derived class to implements all methods. This can be done by making abstract class with all abstract methods, then why use interface? The answer is... More info (27-Java-Interface.aspx)

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This website is designed for readers who have less or no programming experience. Even the experienced programmers will find this website equally useful. We have covered all the basic of C, C++, C#, JAVA, VB.NET, ASP.NET, etc..., programming language with easy examples and their descriptions.