

## Introduction

The **java.lang.Byte** class wraps a value of primitive type byte in an object. An object of type Byte contains a single field whose type is byte.

## Class declaration

Following is the declaration for **java.lang.Byte** class:

```
public final class Byte
    extends Number
    implements Comparable<Byte>
```

## Field

Following are the fields for **java.lang.Byte** class:

- **static byte MAX\_VALUE** -- This is constant holding the maximum value a byte can have,  $2^7-1$ .
- **static byte MIN\_VALUE** -- This is constant holding the minimum value a byte can have,  $-2^7$ .
- **static int SIZE** -- This is the number of bits used to represent a byte value in two's complement binary form.
- **static Class<Byte> TYPE** -- This is the Class instance representing the primitive type byte.

## Class constructors

| S.N. | Constructor & Description                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <b>Byte</b> <i>bytevalue</i><br>This constructs a newly allocated Byte object that represents the specified byte value.                       |
| 2    | <b>Byte</b> <i>Strings</i><br>This constructs a newly allocated Byte object that represents the byte value indicated by the String parameter. |

## Class methods

| S.N. | Method & Description                                                                           |
|------|------------------------------------------------------------------------------------------------|
| 1    | <a href="#"><u>byte byteValue</u></a><br>This method returns the value of this Byte as a byte. |
| 2    | <a href="#"><u>int compareToByteanotherByte</u></a>                                            |

This method compares two Byte objects numerically.

3

[static Byte decodeStringnm](#)

This method decodes a String into a Byte.

4

[double doubleValue](#)

This method returns the value of this Byte as a double.

5

[boolean equalsObjectobj](#)

This method compares this object to the specified object.

6

[float floatValue](#)

This method returns the value of this Byte as a float.

7

[int hashCode](#)

This method returns a hash code for this Byte.

8

[int intValue](#)

This method returns the value of this Byte as an int.

9

[long longValue](#)

This method returns the value of this Byte as a long.

10

[static byte parseByteStrings](#)

This method parses the string argument as a signed decimal byte.

11

[static byte parseByteStrings, intradix](#)

This method parses the string argument as a signed byte in the radix specified by the second argument.

12

[short shortValue](#)

This method returns the value of this Byte as a short.

13

[String toString](#)

This method returns a String object representing this Byte's value.

14

[static String toString\(byteb](#)

This method returns a new String object representing the specified byte.

15

[static Byte valueOfbyteb](#)

This method returns a Byte instance representing the specified byte value.

16

[static Byte valueOfStrings](#)

This method returns a Byte object holding the value given by the specified String.

17

[static Byte valueOfStrings, intradix](#)

This method returns a Byte object holding the value extracted from the specified String when parsed with the radix given by the second argument.

## Methods inherited

This class inherits methods from the following classes:

• java.lang.Object

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