

JAVA.IO.BYTEARRAYOUTPUTSTREAM CLASS

http://www.tutorialspoint.com/java/io/java_io_bytearrayoutputstream.htm

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Introduction

The **Java.io.ByteArrayOutputStream** class implements an output stream in which the data is written into a byte array. The buffer automatically grows as data is written to it. Following are the important points about ByteArrayOutputStream:

- Closing a ByteArrayOutputStream has no effect.
- The methods in this class can be called after the stream has been closed without generating an IOException.

Class declaration

Following is the declaration for **Java.io.ByteArrayOutputStream** class:

```
public class ByteArrayOutputStream  
    extends OutputStream
```

Field

Following are the fields for **Java.io.ByteArrayOutputStream** class:

- **protected byte[] buf** -- This is the buffer where data is stored.
- **protected int count** -- This is the number of valid bytes in the buffer.

Class constructors

S.N.	Constructor & Description
1	ByteArrayOutputStream This creates a new byte array output stream.
2	ByteArrayOutputStream(int size) This creates a new byte array output stream, with a buffer capacity of the specified size, in bytes.

Class methods

S.N.	Method & Description
1	<u>void close</u> Closing a ByteArrayOutputStream has no effect.
2	<u>void reset</u> This method resets the count field of this byte array output stream to zero, so that all

currently accumulated output in the output stream is discarded.

3

[int size](#)

This method returns the current size of the buffer.

4

[byte\[\] toByteArray](#)

This method creates a newly allocated byte array.

5

[String toString](#)

This method converts the buffer's contents into a string decoding bytes using the platform's default character set.

6

[String toStringStringcharsetName](#)

This method converts the buffer's contents into a string by decoding the bytes using the specified *charsetName*.

7

[void writebyte\[\]b, intoff, intlen](#)

This method writes len bytes from the specified byte array starting at offset off to this byte array output stream.

8

[void writeintb](#)

This method Writes the specified byte to this byte array output stream.

9

[void writeToOutputStreamout](#)

This method writes the complete contents of this byte array output stream to the specified output stream argument, as if by calling the output stream's write method using `out.writebuf, 0, count`.

Methods inherited

This class inherits methods from the following classes:

- `java.io.OutputStream`
- `java.io.Object`

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