Class java.io.ByteArrayOutputStream

```
java.lang.Object
   |
   +----java.io.OutputStream
           |
           +----java.io.ByteArrayOutputStream
```
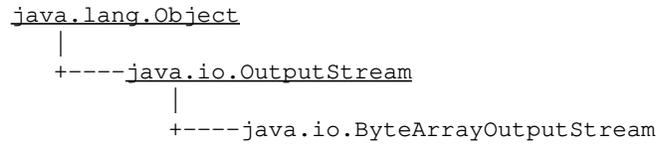
public class **ByteArrayOutputStream**
extends OutputStream

This class implements a buffer that can be used as an OutputStream. The buffer automatically grows when data is written to the stream. The data can be retrieved using toByteArray() and toString().

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Variable Index

o **buf**
      The buffer where data is stored.
o **count**
      The number of bytes in the buffer.

Constructor Index

o **ByteArrayOutputStream**()
      Creates a new ByteArrayOutputStream.
o **ByteArrayOutputStream**(int)
      Creates a new ByteArrayOutputStream wit the specified initial size.

Method Index

o **reset**()
  Resets the buffer so that you can use it again without throwing away the already
  allocated buffer.
o **size**()
  Returns the current size of the buffer.
o **toByteArray**()
  Returns a copy of the input data.
o **toString**()
  Converts input data to a string.
o **toString**(int)
  Converts input data to a string.
o **write**(int)
  Writes a byte to the buffer.
o **write**(byte[], int, int)
  Writes bytes to the buffer.
o **writeTo**(OutputStream)
  Writes the contents of the buffer to another stream.

Variables

o **buf**

```
protected byte buf[]
```

  The buffer where data is stored.

o **count**

```
protected int count
```

  The number of bytes in the buffer.

Constructors

o **ByteArrayOutputStream**

```
public ByteArrayOutputStream()
```

  Creates a new ByteArrayOutputStream.

o **ByteArrayOutputStream**

```
public ByteArrayOutputStream(int size)
```

  Creates a new ByteArrayOutputStream wit the specified initial size.

Parameters:
      size – the initial size

Methods

o **write**

```
public synchronized void write(int b)
```

Writes a byte to the buffer.
Parameters:
      b – the byte
Overrides:
      write in class OutputStream

o **write**

```
public synchronized void write(byte b[],
                               int off,
                               int len)
```

Writes bytes to the buffer.
Parameters:
      b – the data to be written
      off – the start offset in the data
      len – the number of bytes that are written
Overrides:
      write in class OutputStream

o **writeTo**

```
public synchronized void writeTo(OutputStream out) throws IOException
```

Writes the contents of the buffer to another stream.
Parameters:
      out – the output stream to write to

o **reset**

```
public synchronized void reset()
```

Resets the buffer so that you can use it again without throwing away the already
allocated buffer.

o **toByteArray**

```
public synchronized byte[] toByteArray()
```

Returns a copy of the input data.

o **size**

```
public int size()
```

Returns the current size of the buffer.

o **toString**

```
public String toString()
```

Converts input data to a string.
Returns:
the string.
Overrides:
toString in class Object

o **toString**

```
public String toString(int hibyte)
```

Converts input data to a string. The top 8 bits of each 16 bit Unicode character are set to hibyte.
Parameters:
hibyte – the bits set