Class java.io.BufferedOutputStream

```
java.lang.Object
   |
   +----java.io.OutputStream
           |
           +----java.io.FilterOutputStream
                   |
                   +----java.io.BufferedOutputStream
```

---

public class **BufferedOutputStream**
extends FilterOutputStream

A buffered output stream. This stream lets you write characters to a stream without causing a write every time. The data is first written into a buffer. Data is written to the actual stream only when the buffer is full, or when the stream is flushed.

Version:
1.16, 08/10/95
Author:
Arthur van Hoff

Variable Index

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

Constructor Index

o **BufferedOutputStream**(OutputStream)
Creates a new buffered stream with a default buffer size.
o **BufferedOutputStream**(OutputStream, int)
Creates a new buffered stream with the specified buffer size.

Method Index

o **flush**()
Flushes the stream.
o **write**(int)
Writes a byte.
o **write**(byte[], int, int)
Writes a sub array of bytes.

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 **BufferedOutputStream**

```
public BufferedOutputStream(OutputStream out)
```

Creates a new buffered stream with a default buffer size.
Parameters:
out – the output stream

o **BufferedOutputStream**

```
public BufferedOutputStream(OutputStream out,
                            int size)
```

Creates a new buffered stream with the specified buffer size.
Parameters:
out – the output stream
size – the buffer size

Methods

o **write**

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

Writes a byte. This method will block until the byte is actually written.

Parameters:

b – the byte to be written

Throws: IOException

If an I/O error has occurred.

Overrides:

write in class FilterOutputStream

o **write**

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

Writes a sub array of bytes.

Parameters:

b – the data to be written

off – the start offset in the data

len – the number of bytes that are written

Throws: IOException

If an I/O error has occurred.

Overrides:

write in class FilterOutputStream

o **flush**

```
public synchronized void flush() throws IOException
```

Flushes the stream. This will write any buffered output bytes.

Throws: IOException

If an I/O error has occurred.

Overrides:

flush in class FilterOutputStream