Class java.io.BufferedOutputStream

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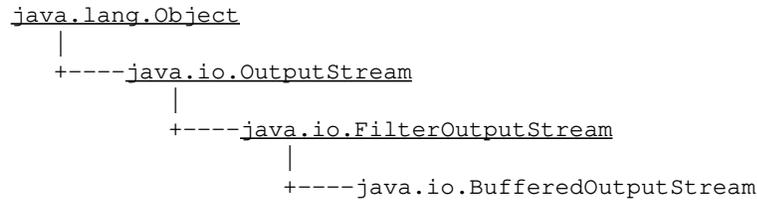
public class **BufferedOutputStream**
extends FilterOutputStream

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.

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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 **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