

Class `java.io.FilterOutputStream`

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

public class **FilterOutputStream**
extends [OutputStream](#)

Abstract class representing a filtered output stream of bytes. This class is the basis for enhancing output stream functionality. It allows multiple output stream filters to be chained together, each providing additional functionality.

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o **out**

The actual output stream.

Constructor Index

o **FilterOutputStream**(OutputStream)

Creates an output stream filter.

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o **close**()

Closes the stream.

o **flush**()

Flushes the stream.

o **write**(int)

Writes a byte.

o **write**(byte[])

Writes an array of bytes.

o **write**(byte[], int, int)

Writes a sub array of bytes.

Variables

o **out**

```
protected OutputStream out
```

The actual output stream.

Constructors

o **FilterOutputStream**

```
public FilterOutputStream(OutputStream out)
```

Creates an output stream filter.

Parameters:

out – the output stream

Methods

o **write**

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

Writes a byte. Will block until the byte is actually written.

Parameters:

b – the byte

Throws: IOException

If an I/O error has occurred.

Overrides:

write in class OutputStream

o **write**

```
public void write(byte b[]) throws IOException
```

Writes an array of bytes. Will block until the bytes are actually written.

Parameters:

b – the data to be written

Throws: IOException

If an I/O error has occurred.

Overrides:

write in class OutputStream

o write

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

Writes a sub array of bytes. To be efficient it should be overridden in a subclass.

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 OutputStream

o flush

```
public 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 OutputStream

o close

```
public void close() throws IOException
```

Closes the stream. This method must be called to release any resources associated with the stream.

Throws: IOException

If an I/O error has occurred.

Overrides:

close in class OutputStream