Module java.base

Package java.io

Class IOException

java.lang.Object
    java.lang.Throwable
        java.lang.Exception
            java.io.IOException

All Implemented Interfaces:

Serializable

Direct Known Subclasses:

AttachOperationFailedException, ChangedCharSetException, CharacterCodingException, CharConversionException, ClosedChannelException, ClosedConnectionException, EOFException, FileLockInterruptionException, FileNotFoundException, FilerException, FileSystemException, HttpRetryException, HttpTimeoutException, IIOException, InterruptedByTimeoutException, InterruptedIOException, InvalidPropertiesFormatException, JMXProviderException, JMXServerErrorException, MalformedURLException, ObjectStreamException, ProtocolException, RemoteException, SaslException, SocketException, SSLException, SyncFailedException, TransportTimeoutException, UnknownHostException, UnknownServiceException, UnsupportedEncodingException, UserPrincipalNotFoundException, UTFDataFormatException, WebSocketHandshakeException, ZipException

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```
public class IOException
extends Exception
```

Signals that an I/O exception of some sort has occurred. This class is the general class of exceptions produced by failed or interrupted I/O operations.

Since:

1.0

See Also:

InputStream, OutputStream, Serialized Form

Constructor Summary

Constructors	
Constructor	**Description**
IOException()	Constructs an IOException with null as its error detail message.
IOException(String message)	Constructs an IOException with the specified detail message.
IOException(String message, Throwable cause)	Constructs an IOException with the specified detail message and cause.
IOException(Throwable cause)	Constructs an IOException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause).

Method Summary

Methods declared in class java.lang.**Throwable**
addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString

Methods declared in class java.lang.**Object**
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

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Constructor Details

IOException

```
public IOException()
```

Constructs an IOException with null as its error detail message.

IOException

```
public IOException(String message)
```

Constructs an IOException with the specified detail message.

Parameters:

message - The detail message (which is saved for later retrieval by the Throwable.getMessage() method)

IOException

```
public IOException(String message,
                   Throwable cause)
```

Constructs an IOException with the specified detail message and cause.

Note that the detail message associated with cause is *not* automatically incorporated into this exception's detail message.

Parameters:

message - The detail message (which is saved for later retrieval by the Throwable.getMessage() method)

cause - The cause (which is saved for later retrieval by the Throwable.getCause() method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

Since:

1.6

IOException

```
public IOException(Throwable cause)
```

Constructs an IOException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). This constructor is useful for IO exceptions that are little more than wrappers for other throwables.

Parameters:

cause - The cause (which is saved for later retrieval by the Throwable.getCause() method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)

Since:

1.6

Report a bug or suggest an enhancement

For further API reference and developer documentation see the Java SE Documentation, which contains more detailed, developer-targeted descriptions with conceptual overviews, definitions of terms, workarounds, and working code examples. Other versions.

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