

FolkerKinzel.Helpers Namespace

Helper classes

Classes

BinaryFile	Helper class for operations with binary files.
TextFile	Helper class for operations with text files.

BinaryFile Class

Helper class for operations with binary files.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version:
1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

C#

```
public static class BinaryFile
```

Inheritance [Object](#) → BinaryFile

Methods

Load	Loads a binary file.
Open	Opens a file.
Save	Saves a byte array to a file.

See Also

Reference

[FolkerKinzel.Helpers Namespace](#)

BinaryFile.Load Method

Loads a binary file.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

C#

```
public static byte[] Load(  
    string filePath  
)
```

Parameters

filePath [String](#)

The file path.

Return Value

[Byte\[\]](#)

The content of the binary file as byte array.

Exceptions

ArgumentNullException	<i>filePath</i> is null.
ArgumentException	<i>filePath</i> is not a valid file path.
IOException	I/O error.

See Also

Reference

[BinaryFile Class](#)

[FolkerKinzel.Helpers Namespace](#)

BinaryFile.Open Method

Opens a file.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#  
  
public static FileStream Open(  
    string filePath,  
    FileMode mode,  
    FileAccess access,  
    FileShare share  
)
```

Parameters

filePath [String](#)

The file path.

mode [FileMode](#)

The file mode.

access [FileAccess](#)

The file access.

share [FileShare](#)

The file share mode.

Return Value

[FileStream](#)

A newly created [FileStream](#).

Exceptions

ArgumentNullException	<i>filePath</i> is null.
ArgumentException	<i>filePath</i> is not a valid file path.
IOException	I/O error.
ArgumentOutOfRangeException	<i>mode</i> contains an invalid value.

See Also

Reference

[BinaryFile Class](#)

[FolkerKinzel.Helpers Namespace](#)

BinaryFile.Save Method

Saves a byte array to a file.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#  
  
public static void Save(  
    string filePath,  
    byte[] bytes  
)
```

Parameters

filePath [String](#)

The file path.

bytes [Byte\[\]](#)

The byte array to save.

Exceptions

ArgumentNullException	<i>filePath</i> or <i>bytes</i> is null.
ArgumentException	<i>filePath</i> is not a valid file path.
IOException	I/O error.

See Also

Reference

[BinaryFile Class](#)

[FolkerKinzel.Helpers Namespace](#)

TextFile Class

Helper class for operations with text files.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

C#

```
public static class TextFile
```

Inheritance [Object](#) → TextFile

Methods

OpenRead	Opens a text file for reading.
OpenWrite	Initializes a new StreamWriter instance.

See Also

Reference

[FolkerKinzel.Helpers Namespace](#)

TextFile.OpenRead Method

Opens a text file for reading.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#  
  
public static StreamReader OpenRead(  
    string filePath,  
    Encoding? textEncoding  
)
```

Parameters

filePath [String](#)

The file path.

textEncoding [Encoding](#)

The text encoding to be used to read the file, or `null` for [UTF8](#).

Return Value

[StreamReader](#)

A [StreamReader](#) instance for reading the file.

Exceptions

ArgumentNullException	<i>filePath</i> is <code>null</code> .
ArgumentException	<i>filePath</i> is not a valid file path.
IOException	I/O error.

See Also

Reference

[TextFile Class](#)

[FolkerKinzel.Helpers Namespace](#)

TextFile.OpenWrite Method

Initializes a new [StreamWriter](#) instance.

Definition

Namespace: [FolkerKinzel.Helpers](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#
public static StreamWriter OpenWrite(
    string filePath,
    Encoding? textEncoding,
    string? newLine,
    bool append
)
```

Parameters

filePath [String](#)

The file path.

textEncoding [Encoding](#)

The text encoding to be used to write the CSV file or `null` for [UTF8](#).

newLine [String](#)

The line terminator string to be used, or `null` for [NewLine](#).

append [Boolean](#)

If `true`, the file is opened for appending; otherwise, the file will be truncated and overwritten. If the specified file does not exist, this parameter has no effect, and a new file will be created.

Return Value

[StreamWriter](#)

The newly created [StreamWriter](#) instance.

Exceptions

ArgumentNullException	<i>filePath</i> is <code>null</code> .
ArgumentException	<i>filePath</i> is not a valid file path.
IOException	I/O-Error

See Also

Reference

[TextFile Class](#)

[FolkerKinzel.Helpers Namespace](#)

FolkerKinzel.Helpers.Polyfills Namespace

Polyfills

Classes

<u>ArgumentNullException</u>	Polyfill for <u>ArgumentNullException</u> .
<u>ArgumentOutOfRangeException</u>	Polyfill for <u>ArgumentOutOfRangeException</u> .

ArgumentNullException Class

Polyfill for [ArgumentNullException](#).

Definition

Namespace: [FolkerKinzel.Helpers.Polyfills](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

C#

```
public static class _ArgumentNullException
```

Inheritance [Object](#) → [_ArgumentNullException](#)

Methods

[ThrowIfNull](#)

Throws an [ArgumentNullException](#) if *argument* is null.

See Also

[Reference](#)

[FolkerKinzel.Helpers.Polyfills Namespace](#)

ArgumentNullException.ThrowIfNull Method

Throws an [ArgumentNullException](#) if *argument* is `null`.

Definition

Namespace: [FolkerKinzel.Helpers.Polyfills](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#  
  
public static void ThrowIfNull(  
    Object? argument,  
    string? paramName  
)
```

Parameters

argument [Object](#)

The argument to check.

paramName [String](#)

The name of the checked parameter.

See Also

Reference

[ArgumentNullException Class](#)

[FolkerKinzel.Helpers.Polyfills Namespace](#)

ArgumentOutOfRangeException Class

Polyfill for [ArgumentOutOfRangeException](#).

Definition

Namespace: [FolkerKinzel.Helpers.Polyfills](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version:
1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

C#

```
public static class _ArgumentOutOfRangeException
```

Inheritance [Object](#) → [_ArgumentOutOfRangeException](#)

Methods

ThrowIfNegative	Throws an ArgumentOutOfRangeException if <i>argument</i> is negative.
ThrowIfNegativeOrZero	Throws an ArgumentOutOfRangeException if <i>argument</i> is negative or zero.

See Also

Reference

[FolkerKinzel.Helpers.Polyfills Namespace](#)

ArgumentOutOfRangeException.ThrowIfNegative Method

Throws an [ArgumentOutOfRangeException](#) if *argument* is negative.

Definition

Namespace: [FolkerKinzel.Helpers.Polyfills](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#  
  
public static void ThrowIfNegative(  
    int argument,  
    string? paramName  
)
```

Parameters

argument [Int32](#)

The argument to check.

paramName [String](#)

The name of the checked parameter.

See Also

Reference

[ArgumentOutOfRangeException Class](#)

[FolkerKinzel.Helpers.Polyfills Namespace](#)

ArgumentOutOfRangeException.ThrowIfNegativeOrZero Method

Throws an [ArgumentOutOfRangeException](#) if *argument* is negative or zero.

Definition

Namespace: [FolkerKinzel.Helpers.Polyfills](#)

Assembly: FolkerKinzel.Helpers (in FolkerKinzel.Helpers.dll) Version: 1.1.0+76dd07459b6f0887d6e0e2070bc9d52844ef1765

```
C#  
  
public static void ThrowIfNegativeOrZero(  
    int argument,  
    string? paramName  
)
```

Parameters

argument [Int32](#)

The argument to check.

paramName [String](#)

The name of the checked parameter.

See Also

Reference

[ArgumentOutOfRangeException Class](#)

[FolkerKinzel.Helpers.Polyfills Namespace](#)