

# System.FormatException Class

```
[ILAsm]
.class public serializable FormatException extends System.SystemException

[C#]
public class FormatException: SystemException
```

## Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
  - CLSCompliantAttribute(true)

## Summary

Represents errors caused by passing incorrectly formatted arguments or invalid format specifiers to methods.

## Inherits From: System.SystemException

**Library:** BCL

**Thread Safety:** All public static members of this type are safe for multithreaded operations. No instance members are guaranteed to be thread safe.

## Description

[*Note:* System.FormatException is thrown from Parse methods when a System.String being parsed contains characters that are not valid according to the specified style (passed via the *style* parameter) or default style. System.FormatException is thrown from ToString methods when a format specifier (passed via the *format* parameter) is not a valid format for the type of the current instance.]

# FormatException() Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor()  
  
[C#]  
public FormatException()
```

## Summary

Constructs and initializes a new instance of the `System.FormatException` class.

## Description

This constructor initializes the `System.FormatException.Message` property of the new instance to a system-supplied message that describes the error, such as "Invalid format." This message takes into account the current system culture. The `System.FormatException.InnerException` property is initialized to null.

# FormatException(System.String) Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor(string message)  
  
[C#]  
public FormatException(string message)
```

## Summary

Constructs and initializes a new instance of the `System.FormatException` class.

## Parameters

| Parameter      | Description   |
|----------------|---|
| <i>message</i> | A <code>System.String</code> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture. |

## Description

This constructor initializes the `System.FormatException.Message` property of the new instance using *message*. If *message* is null, the `System.FormatException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The `System.FormatException.InnerException` property is initialized to null.

# FormatException(System.String, System.Exception) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string message, class
System.Exception innerException)

[C#]
public FormatException(string message, Exception innerException)
```

## Summary

Constructs and initializes a new instance of the `System.FormatException` class.

## Parameters

| Parameter             | Description   |
|-----------------------|---|
| <i>message</i>        | A <code>System.String</code> that describes the error. The content of <i>message</i> is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture. |
| <i>innerException</i> | An instance of <code>System.Exception</code> that is the cause of the current exception. If <i>innerException</i> is non-null, then the current exception was raised in a catch block handling <i>innerException</i> .                                |

## Description

This constructor initializes the `System.FormatException.Message` property of the new instance using *message*, and the `System.FormatException.InnerException` property using *innerException*. If *message* is null, the `System.FormatException.Message` property is initialized to the system-supplied message provided by the constructor that takes no arguments.

[Note: For information on inner exceptions, see `System.Exception.InnerException`.]