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Summary: Nested Field Constr Method					Detail: Field Constr Method			

java.util.regex

Class PatternSyntaxException

```
java.lang.Object
    java.lang.Throwable
        java.lang.Exception
            java.lang.RuntimeException
                java.lang.IllegalArgumentException
                    java.util.regex.PatternSyntaxException
```

All Implemented Interfaces:

Serializable

```
public class PatternSyntaxException
    extends IllegalArgumentException
```

Unchecked exception thrown to indicate a syntax error in a regular-expression pattern.

Since:

1.4

See Also:

[Serialized Form](#)

Constructor Summary

Constructors

Constructor and Description

```
PatternSyntaxException(String desc, String regex, int index)
```

Constructs a new instance of this class.

Method Summary

Methods

Modifier and Type	Method and Description
String	getDescription() Retrieves the description of the error.
int	getIndex() Retrieves the error index.
String	getMessage() Returns a multi-line string containing the description of the syntax error and its index, the erroneous regular-expression pattern, and a visual indication of the error index within the pattern.
String	getPattern() Retrieves the erroneous regular-expression pattern.

Methods inherited from class java.lang.Throwable

`addSuppressed, fillInStackTrace, getCause, getLocalizedMessage, getStackTrace, getSuppressed, initCause, printStackTrace, printStackTrace, printStackTrace, setStackTrace, toString`

Methods inherited from class java.lang.Object

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait`

Constructor Detail

PatternSyntaxException

```
public PatternSyntaxException(String desc,  
                             String regex,  
                             int index)
```

Constructs a new instance of this class.

Parameters:

desc - A description of the error

regex - The erroneous pattern

index - The approximate index in the pattern of the error, or `-1` if the index is not known

Method Detail**getIndex**

```
public int getIndex()
```

Retrieves the error index.

Returns:

The approximate index in the pattern of the error, or `-1` if the index is not known

getDescription

```
public String getDescription()
```

Retrieves the description of the error.

Returns:

The description of the error

getPattern

```
public String getPattern()
```

Retrieves the erroneous regular-expression pattern.

Returns:

The erroneous pattern

getMessage

```
public String getMessage()
```

Returns a multi-line string containing the description of the syntax error and its index, the erroneous regular-expression pattern, and a visual indication of the error index within the pattern.

Overrides:

`getMessage` in class `Throwable`

Returns:

The full detail message

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[Submit a bug or feature](#)

For further API reference and developer documentation, see [Java SE Documentation](#). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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