

Defined Types

NSComparisonResult

DECLARED IN foundation/NSObject.h

SYNOPSIS

```
        NSOrderedAscending = -1,  
        NSOrderedSame,  
        NSOrderedDescending  
    } NSComparisonResult
```

```
typedef enum _NSComparisonResult {
```

DESCRIPTION An **NSComparisonResult** indicates how items in a request are ordered, from the first one given in a method invocation or function call to the last (that is, left-to-right in code).

NSRange

DECLARED IN foundation/NSRange.h

SYNOPSIS

```
        unsigned int location;  
        unsigned int length;  
    } NSRange
```

```
typedef struct _NSRange {
```

DESCRIPTION An **NSRange** describes a portion of a series—such as characters in a string or objects in an NSArray.

Its **location** member gives the start index (0 is the first, as in C arrays), and its **length** member gives the number of items in the range (and can be zero).

NSStringEncoding

DECLARED IN foundation/NSString.h

SYNOPSIS

typedef enum _NSStringEncoding {
 NSUnicodeStringEncoding = 0,
 NSASCIIStringEncoding,
 NSNEXTSTEPStringEncoding,
 NSEUCStringEncoding,
 NSUTFStringEncoding,
 NSISOLatin1StringEncoding,
 NSSymbolStringEncoding,
 NSNonLossyASCIIStringEncoding
} **NSStringEncoding**

DESCRIPTION These values represent the various character encodings supported by the NSString classes. These encodings are documented more fully elsewhere; here are some short descriptions:

Encoding	Description
NSASCIIStringEncoding	Strict 7-bit ASCII encoding within 8-bit chars
NSEUCStringEncoding	8-bit EUC encoding for Japanese text
NSISOLatin1StringEncoding	8-bit ISO Latin 1 encoding
NSNEXTSTEPStringEncoding	8-bit ASCII encoding with NEXTSTEP extensions (see Appendix C of the NEXTSTEP General Reference)
NSNonLossyASCIIStringEncoding	
NSSymbolStringEncoding	
NSUnicodeStringEncoding	The canonical Unicode encoding for string objects

NSUTFStringEncoding

An 8-bit representation of Unicode characters, suitable for transmission or storage by ASCII-based systems <<*should we document this format?*>>

Symbolic Constants

NSHashStringLength

DECLARED IN foundation/NSString.h

SYNOPSIS

NSHashStringLength

NSMaximumStringLength

DECLARED IN foundation/NSString.h

SYNOPSIS

NSMaximumStringLength

DESCRIPTION **NSMaximumStringLength** is the greatest possible length for an NSString.

NSNotFound

DECLARED IN foundation/NSObject.h

SYNOPSIS

NSNotFound

DESCRIPTION A method or function return value of **NSNotFound** indicates that the item requested couldn't be found or doesn't exist. It's typically used by various methods and functions that search for items in serial data and return indices, such as characters in a string object or **ids** in an NSArray.

Enumerations

NSStringSearchFlags

DECLARED IN foundation/NSString.h

SYNOPSIS

```
enum {  
    NSCaseInsensitiveSearch = 1;  
    NSLiteralSearch = 2;  
    NSBackwardsSearch = 4;  
    NSAnchoredSearch = 8;  
};
```

DESCRIPTION These values represent the options available to many of the string classes' searching and comparison methods. See the NSString class cluster description for details on the effects of these options.

NSThreadPriority

DECLARED IN foundation/NSThread.h

SYNOPSIS

```
enum {  
    NSInteractiveThreadPriority,  
    NSBackgroundThreadPriority,
```

NSLowThreadPriority

};

DESCRIPTION These values represent the priorities that an NSThread can assume. See the NSThread class description for descriptions of the methods that use and return these values.