Defined Types

NSComparisonResult

DECLARED IN   foundation/NSObject.h

SYNOPSIS
```
typedef enum _NSComparisonResult {
    NSOrderedAscending = -1,
    NSOrderedSame,
    NSOrderedDescending
} 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
```
typedef struct _NSRange {
    unsigned int location;
    unsigned int length;
} NSRange
```

DESCRIPTION   An **NSRange** describes a portion of a seriesÐsuch 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	*<<forthcoming>>*
NSSymbolStringEncoding	*<<forthcoming>>*

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

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 **id**s 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.