NSCharacterSet

Inherits From: NSObject

Conforms To: NSCoding
                        NSCopying
                        NSMutableCopying
                        NSObject

Declared In: foundation/NSCharacterSet.h

Creating a Standard Character Set

+ (NSCharacterSet *)**alphanumericCharacterSet**   Returns a character set containing the uppercase and lowercase alphabetic characters (a-z, A-Z, other alphabetic characters such as Ý, ‰, Û, ‡, and so on) and the decimal digit characters (0-9).

Creating a Custom Character Set

+ (NSCharacterSet *)**characterSetWithBitmapRepresentation:**(NSData *)*data*
                        Returns a character set containing characters determined by the bitmap representation *data*.

+ (NSCharacterSet *)**characterSetWithCharactersInString:**(NSString *)*aString*
                        Returns a character set containing the characters in *aString*.   If *aString* is empty, an empty character set is returned.   *aString* must not be **nil**.

+ (NSCharacterSet *)**characterSetWithRange:**(NSRange)*aRange*
                        Returns a character set containing characters whose Unicode values are given by *aRange*.

+ (NSCharacterSet *)**controlCharacterSet**   Returns a character set containing the control characters (characters with decimal Unicode values 0 to 31 and 127 to 159).

+ (NSCharacterSet *)**decimalDigitCharacterSet** Returns a character set containing only decimal digit characters (0-9).

+ (NSCharacterSet *)**decomposableCharacterSet** Returns a character set containing all individual Unicode characters that can also be represented as composed character sequences.

+ (NSCharacterSet *)**illegalCharacterSet**   Returns a character set containing the illegal Unicode values.

+ (NSCharacterSet *)**letterCharacterSet**   Returns a character set containing the uppercase and lowercase alphabetic characters (a-z, A-Z, other alphabetic characters such as Ý, ‰, Û, ‡, and so on).

+ (NSCharacterSet *)**lowercaseLetterCharacterSet**

Returns a character set containing only lowercase alphabetic characters (a-z, other alphabetic characters such as Ý, Û, and so on).

+ (NSCharacterSet *)**nonBaseCharacterSet**   Returns a set containing all characters which are not defined to be base characters for purposes of dynamic character composition.

+ (NSCharacterSet *)**uppercaseLetterCharacterSet**

Returns a character set containing only uppercase alphabetic characters (A-Z, other alphabetic characters such as ‰, ‡, and so on).

+ (NSCharacterSet *)**whitespaceAndNewlineCharacterSet**

Returns a character set containing only whitespace characters (space and tab) and the newline character.

+ (NSCharacterSet *)**whitespaceCharacterSet**   Returns a character set containing only in-line whitespace characters (space and tab).   This set doesn't contain the newline or carriage return characters.

Getting a Binary Representation

- (NSData *)**bitmapRepresentation**   Returns an NSData object encoding the receiving character set in binary format.   This format is suitable for saving to a file or otherwise transmitting or archiving.

Testing Set Membership

- (BOOL)**characterIsMember:**(unichar)*ch*   Returns YES if *aChar* is in the receiving character set, NO if it isn't.

Inverting a Character Set

- (NSCharacterSet *)**invertedSet**   Returns a character set containing only characters that *don't* exist in the receiver.