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utf16





package

standard library

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Overview

Package utf16 implements encoding and decoding of UTF-16 sequences.

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```
func AppendRune(a []uint16, r rune) []uint16
func Decode(s []uint16) []rune
func DecodeRune(r1, r2 rune) rune
func Encode(s []rune) []uint16
func EncodeRune(r rune) (r1, r2 rune)
func IsSurrogate(r rune) bool
```

Constants

This section is empty.

Variables

This section is empty.

Functions

func [AppendRune](#)

added in go1.20

```
func AppendRune(a []uint16, r rune) []uint16
```

AppendRune appends the UTF-16 encoding of the Unicode code point `r` to the end of `p` and returns the extended buffer. If the rune is not a valid Unicode code point, it appends the encoding of U+FFFD.

func Decode

```
func Decode(s []uint16) []rune
```

Decode returns the Unicode code point sequence represented by the UTF-16 encoding `s`.

func DecodeRune

```
func DecodeRune(r1, r2 rune) rune
```

DecodeRune returns the UTF-16 decoding of a surrogate pair. If the pair is not a valid UTF-16 surrogate pair, DecodeRune returns the Unicode replacement code point U+FFFD.

func Encode

```
func Encode(s []rune) []uint16
```

Encode returns the UTF-16 encoding of the Unicode code point sequence `s`.

func EncodeRune

```
func EncodeRune(r rune) (r1, r2 rune)
```

EncodeRune returns the UTF-16 surrogate pair `r1`, `r2` for the given rune. If the rune is not a valid Unicode code point or does not need encoding, EncodeRune returns U+FFFD, U+FFFD.

func IsSurrogate

```
func IsSurrogate(r rune) bool
```

IsSurrogate reports whether the specified Unicode code point can appear in a surrogate pair.

Types

This section is empty.



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