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VarENCODE

ENCODE{"string"} -- encodes a string to HTML entities

- Encode "special" characters to HTML numeric entities. Encoded characters are:
  - all non-printable ASCII characters below space, except newline (`"\n"`) and linefeed (`"\r"`)
  - HTML special characters `"<"`, `">"`, `"&"`, single quote (`'`) and double quote (`"`)
  - TML special characters `"%"`, `"["`, `"]"`, `"@"`, `"_"`, `"*"`, `"="` and `"|"`
- Syntax: `%ENCODE{"string"}%`
- Supported parameters:

Parameter:	Description:	Default:
`"string"`	String to encode	required (can be empty)

`type="entity"`
`type="safe"`
`type="html"`
`type="quotes"`
`type="url"`
	Control how special characters are encoded
	`entity`: Encode special characters into HTML entities, like a double quote into `"`. Does **not** encode `\n` or `\r`.
	`safe`: Encode characters `'"<>%` into HTML entities.
	`html`: As `type="entity"` except it also encodes `\n` and `\r`
	`quotes`: Escape double quotes with backslashes (`\"`), does not change other characters
	`url`: Encode special characters for URL parameter use, like a double quote into `%22` (this is the default)
		`type="url"`

- Example: `%ENCODE{"spaced name"}%` expands to `spaced%20name`
- Values of HTML input fields must be entity encoded.
  Example: `<input type="text" name="address" value="%ENCODE{ "any text" type="entity" }%" />`
- Double quotes in strings must be escaped when passed into other macros.
  Example: `%SEARCH{ "%ENCODE{ "string with "quotes"" type="quotes" }%" noheader="on" }%`
- ENCODE can be used to filter user input from URL parameters and similer to protect against cross-site scripting. The safest approach is to use `type="entity"`. This can however prevent an application from fully working. You can then use `type="safe"` which encodes only the characters `'"<>%` into HTML entities (same as encode="safe"). When ENCODE is passing a string inside another macro always use double quotes ("") type="quote". For maximum security against cross-site scripting you are adviced to install the Foswiki:Extensions.SafeWikiPlugin.

- Related: URLPARAM

This topic: System > VarENCODE
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