NAME

PCRE2 - Perl-compatible regular expressions (revised API)

SYNOPSIS

#include <pcre2.h>

int pcre2_substring_list_get(pcre2_match_data **match_data***,**
  PCRE2_UCHAR ****listptr***, PCRE2_SIZE *****lengthsptr***);**

DESCRIPTION

This is a convenience function for extracting all the captured substrings after a pattern match. It builds a list of pointers to the strings, and (optionally) a second list that contains their lengths (in code units), excluding a terminating zero that is added to each of them. All this is done in a single block of memory that is obtained using the same memory allocation function that was used to get the match data block. The convenience function **pcre2_substring_list_free()** can be used to free it when it is no longer needed. The arguments are:

  match_data   The match data block
  listptr   Where to put a pointer to the list
  lengthsptr   Where to put a pointer to the lengths, or NULL

A pointer to a list of pointers is put in the variable whose address is in *listptr*. The list is terminated by a NULL pointer. If *lengthsptr* is not NULL, a matching list of lengths is created, and its address is placed in *lengthsptr*. The yield of the function is zero on success or PCRE2_ERROR_NOMEMORY if sufficient memory could not be obtained.

There is a complete description of the PCRE2 native API in the **pcre2api** page and a description of the POSIX API in the **pcre2posix** page.