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regfree() — Free memory for regular expression

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Standards

Standards / Extensions	C or C++	Dependencies
XPG4 XPG4.2 Single UNIX Specification, Version 3	both	

Format

```
#include <regex.h>

void regfree(regex_t *preg);
```

General description

Frees any memory that was allocated by regcomp() to implement *preg*. The expression defined by *preg* is no longer a compiled regular or extended expression. (For a description of regular expressions, see Regular expressions.)

Example

CELEBR10

```
/* CELEBR10

   This example compiles an extended regular expression and a
   free regular expression.

 */
#include <regex.h>
#include <locale.h>
#include <stdio.h>
#include <stdlib.h>

main() {
    regex_t     preg;
    char        *pattern = ".*(simple).*";
    int         rc;

    if ((rc = regcomp(&preg, pattern, REG_EXTENDED)) != 0) {
        printf("regcomp() failed, returning nonzero (%d)\n", rc);
        exit(1);
    }

    regfree(&preg);
}
```

Related information

- Topics about internationalization in z/OS XL C/C++ Programming Guide
- regex.h — Regular expression functions
- regcomp() — Compile regular expression
- regerror() — Return error message
- regexec() — Execute compiled regular expression

Parent topic:

→ Library functions

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regexec() — Execute compiled regular expression

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release() — Delete a load module