

# findPatterns

|                |                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Syntax         | <pre>set resultArray = aString.findPatterns(regExpPattern) set resultArray = findPatterns(LITERAL, regExpPattern)</pre>                                                                                                                                                                                                                                                                        | Related Pages:                                                                                                                                                                                                                                                                                                                                                       |
| Semantics      | Returns all occurrences of the pattern found in <i>aString</i> as string array. Raises an error if the pattern is not found. The state of the current string is not changed.                                                                                                                                                                                                                   | <ul style="list-style-type: none"><li><a href="#">findPattern() Operation</a></li><li><a href="#">endsWith() Operation</a></li><li><a href="#">findString() Operation</a></li><li><a href="#">match() Operation</a></li><li><a href="#">replace() Operation</a></li><li><a href="#">startsWith() Operation</a></li><li><a href="#">Regular Expressions</a></li></ul> |
| Substitutables | aString                                                                                                                                                                                                                                                                                                                                                                                        | Can be any variable or object attribute having the type <b>String</b> .                                                                                                                                                                                                                                                                                              |
|                | regExpPattern                                                                                                                                                                                                                                                                                                                                                                                  | Regular expression (see <a href="#">Regular Expressions</a> for a list of valid regular expressions). An introduction into regular expressions can be found at <a href="http://www.regular-expressions.info/">http://www.regular-expressions.info/</a> .                                                                                                             |
|                | LITERAL                                                                                                                                                                                                                                                                                                                                                                                        | String literal.                                                                                                                                                                                                                                                                                                                                                      |
| Error Codes    | Find the related error codes on <a href="#">System Errors of string operations</a> .                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                      |
|                | FUSS M/21                                                                                                                                                                                                                                                                                                                                                                                      | Cannot find any occurrences of pattern <pattern> in string <string>.                                                                                                                                                                                                                                                                                                 |
| Examples       | <p>This example returns <code>resultArray = {X1, X2}</code>.</p> <pre>set s1 = "The findPatterns() operation finds the X1 and X2 in this phrase." set resultArray = s1.findPatterns("X.");</pre> <p>This example throws an error as there is no X in the string at all.</p> <pre>set s1 = "The findPatterns() operation won't find the pattern." set resultArray = s1.findPattern("X.");</pre> |                                                                                                                                                                                                                                                                                                                                                                      |