

Computer Programming
Bachelor in Biomedical Engineering
Bachelor in Applied Mathematics and Computing

String functions

List of most commonly used functions when working with strings:

<code>b=strcmp(s1,s2)</code>	compares two strings and returns 1 if they are the same and 0 if they are different
<code>b=strcmpi(s1,s2)</code>	works the same way as strcmp but ignores the case (lower, upper)
<code>s1==s2</code>	returns a vector containing 1s (equal) and 0s (different) for each position of the characters of the strings (both strings must have the same length)
<code>s1=[s1,s2]</code>	concatenate the second string (s2) to the first one (s1) (s1=[s1 s2] works the same)
<code>d=strfind(s1,s2)</code>	returns the starting index/indices (positions) of any occurrences of string s2 in string s1
<code>[t,r]=strtok(s1)</code>	returns the first token in string s1 delimited by a white space character in t. The remainder of the original string is returned in r. strtok ignores any leading white space (i.e. white space at the beginning of a string)
<code>[t,r]=strtok(s1,delim)</code>	returns the first token in string s1 delimited by the characters of delim in t. The remainder of the original string is returned in r. strtok ignores any leading delimiters.
<code>s2=lower(s1)</code>	converts string s1 to lowercase
<code>s2=upper(s1)</code>	converts string s1 to uppercase
<code>d=str2num(s)</code>	converts a string which represents a number to the corresponding numeric value
<code>s=num2str(x)</code>	converts the elements of the matrix x into a string representation (with about 4 digits and an exponent if necessary)
<code>d=double(c)</code>	converts a character into its corresponding ASCII number
<code>s=char(v)</code>	converts a vector of numbers into a chain of characters

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