C Programming

<string.h>

S.no	String functions	Description
1	strcat ( )	Concatenates str2 at the end of str1.
2	strncat ( )	Appends a portion of string to another
3	strcpy ( )	Copies str2 into str1
4	strncpy ( )	Copies given number of characters of one string to another
5	strlen ( )	Gives the length of str1.
6	strcmp ( )	Returns 0 if str1 is same as str2. Returns <0 if strl < str2. Returns >0 if str1 > str2.
7	strcmpi ()	Same as strcmp() function. But, this function negotiates case. "A" and "a" are treated as same.
8	strchr ( )	Returns pointer to first occurrence of char in str1.
9	strrchr ( )	Last occurrence of given character in a string is found
10	strstr ( )	Returns pointer to first occurrence of str2 in str1.
11	strrstr ( )	Returns pointer to last occurrence of str2 in str1.
12	strdup ( )	Duplicates the string
13	strlwr ( )	Converts string to lowercase
14	strupr ( )	Converts string to uppercase
15	strrev ( )	Reverses the given string
16	strset ( )	Sets all character in a string to given character
17	strnset ( )	It sets the portion of characters in a string to given character
18	strtok ( )	Tokenizing given string using delimiter

Character conversions and testing

<ctype.h>

S.no	Function	Description
1	isalpha()	checks whether character is alphabetic
2	isdigit()	checks whether character is digit
3	isalnum()	checks whether character is alphanumeric
4	isspace()	checks whether character is space
5	islower()	checks whether character is lower case
6	isupper()	checks whether character is upper case
7	isxdigit()	checks whether character is hexadecimal
8	iscntrl()	checks whether character is a control character
9	isprint()	checks whether character is a printable character
10	ispunct()	checks whether character is a punctuation
11	isgraph()	checks whether character is a graphical character
12	tolower()	checks whether character is alphabetic & converts to lower case
13	toupper()	checks whether character is alphabetic & converts to upper case