

tanh	<i>Hyperbolic Tangent</i>	<code><math.h></code>
	<code>double tanh(double x);</code>	
tanhf	<code>float tanhf(float x);</code>	
tanhl	<code>long double tanhl(long double x);</code>	
<i>Returns</i>	Hyperbolic tangent of <i>x</i> .	23.3
tgamma	<i>Gamma Function (C99)</i>	<code><math.h></code>
	<code>double tgamma(double x);</code>	
tgammaf	<code>float tgammaf(float x);</code>	
tgammal	<code>long double tgamma(long double x);</code>	
<i>Returns</i>	$\Gamma(x)$, where Γ is the gamma function. A domain error or range error may occur if <i>x</i> is a negative integer or zero. A range error may occur if the magnitude of <i>x</i> is too large or too small.	23.4
time	<i>Current Time</i>	<code><time.h></code>
	<code>time_t time(time_t *timer);</code>	
<i>Returns</i>	Current calendar time. Returns <code>(time_t) (-1)</code> if the calendar time isn't available. If <i>timer</i> isn't a null pointer, also stores the return value in the object pointed to by <i>timer</i> .	26.3
tmpfile	<i>Create Temporary File</i>	<code><stdio.h></code>
	<code>FILE *tmpfile(void);</code>	
	Creates a temporary file that will automatically be removed when it's closed or the program ends. Opens the file in "wb+" mode.	
<i>Returns</i>	A file pointer to be used when performing subsequent operations on the file. Returns a null pointer if a temporary file can't be created.	22.2
tmpnam	<i>Generate Temporary File Name</i>	<code><stdio.h></code>
	<code>char *tmpnam(char *s);</code>	
	Generates a name for a temporary file. If <i>s</i> is a null pointer, <i>tmpnam</i> stores the file name in a static object. Otherwise, it copies the file name into the character array pointed to by <i>s</i> . (The array must be long enough to store <code>L_tmpnam</code> characters.)	
<i>Returns</i>	A pointer to the file name. Returns a null pointer if a file name can't be generated.	22.2
tolower	<i>Convert to Lower Case</i>	<code><ctype.h></code>
	<code>int tolower(int c);</code>	
<i>Returns</i>	If <i>c</i> is an upper-case letter, returns the corresponding lower-case letter. If <i>c</i> isn't an upper-case letter, returns <i>c</i> unchanged.	23.5
toupper	<i>Convert to Upper Case</i>	<code><ctype.h></code>
	<code>int toupper(int c);</code>	