

# TYPO3 FUNCTION REFERENCE

## Common TYPO3 functions For Extension Developers

GET, POST, & ENVIRONMENT Vars	STRING, INTEGER & LIST MANIPULATION
<p><b>t3lib_div::_GP()</b> -- return values from GET/POST vars</p> <p><b>t3lib_div::_GET(\$var)</b> -- return values from GETvars</p> <p><b>t3lib_div::_POST(\$var)</b> -- return values from POSTvars</p> <p><b>t3lib_div::_GETset(\$array,\$key)</b> -- set the GETvars</p> <p><b>t3lib_div::_getIndpEnv('ENV_VAR')</b> -- safe server/environment vars</p>	<p><b>t3lib_div::inList(\$commaList,\$item)</b> -- check if item is in list</p> <p><b>t3lib_div::testInt(\$var)</b> -- tests if integer</p> <p><b>t3lib_div::intInRange(\$input,\$min,\$max)</b> -- sees if is in range</p> <p><b>t3lib_div::htmlspecialchars_decode()</b> -- reverse of htmlspecialchars()</p> <p><b>t3lib_div::trimExplode(\$delim,\$str,\$delEmpty)</b> -- explode &amp; trim str</p> <p><b>t3lib_div::intExplode(\$delim,\$str)</b> -- explode &amp; force integers</p>
MISCELLANEOUS FUNCTIONS	FILE & PATH FUNCTIONS
<p><b>t3lib_div::validEmail(\$email)</b> -- tests if a valid email address</p> <p><b>t3lib_div::formatForTextarea(\$value)</b> -- format for text area</p> <p><b>t3lib_div::array2xml(\$array)</b> -- convert array into XML string</p> <p><b>t3lib_div::xml2array(\$xmlStr)</b> -- convert XML string to array</p> <p><b>t3lib_div::makeInstance('class_name')</b> -- create obj instance of class</p> <p><b>&amp;t3lib_div::getUserObj(\$userObj)</b> -- returns ref to new user object</p> <p><b>t3lib_div::getURL(\$url)</b> -- read the full content of file/URL</p> <p><b>t3lib_div::locationHeaderUrl(\$url)</b> -- prepare URL for Header()</p>	<p><b>t3lib_div::validPathStr(\$path)</b> -- is a valid path</p> <p><b>t3lib_div::getFileAbsFileName(\$filename,\$onlyRel,\$relToT3)</b> -- absolute filename of a relative reference</p> <p><b>t3lib_div::isAbsPath(\$path)</b> -- if absolute path</p> <p><b>t3lib_div::mkdir(\$path)</b> -- creates a directory</p> <p><b>t3lib_div::upload_to_tempfile(\$filename)</b> -- upload file to typo3temp/</p> <p><b>t3lib_div::unlink_tempfile(\$filename)</b> -- deletes temp file</p> <p><b>t3lib_div::tempname(\$filename)</b> -- create a temporary (unique) filename</p> <p><b>t3lib_div::writeFile(\$filename,\$content)</b> -- write string into filename</p> <p><b>t3lib_basicFileFunctions::getTotalFileInfo(\$path)</b> -- get file info</p>
TCA FUNCTIONS	EXTENSION FILE & PATH HANDLING
<p><b>t3lib_div::loadTCA(\$tableName)</b> -- load full table into TCA</p> <p><b>t3lib_extMgm::addTCAcolumns(\$table,\$array)</b> -- add fields to existing table in TCA</p> <p><b>t3lib_extMgm::addToAllTCAtypes(\$table,\$fieldProp)</b> -- add to end of all "types" -- used in ext_tables.php</p> <p><b>t3lib_extMgm::allowTableOnStandardPages(\$table)</b> -- use in ext_tables.php</p>	<p><b>t3lib_extMgm::isLoaded(\$extension_key)</b> -- if extension is loaded</p> <p><b>t3lib_extMgm::extPath(\$extension_name)</b> -- extension path</p> <p><b>t3lib_extMgm::extRelPath(\$extension_name)</b> -- relative path</p> <p><b>t3lib_extMgm::siteRelPath(\$extension_name)</b> -- site relative path</p>
PI BASE	
<p><b>pi_getFFvalue(\$ST3FlexForm_array,\$fieldName,\$sheet='sDEF',\$lang='IDEF',\$value='vDEF')</b> -- get Flexform value</p> <p><b>pi_getRecord(\$table,\$uid,\$checkPage=0)</b> -- return row \$uid from \$table</p> <p><b>pi_getPidList(\$pid_list,\$recursive=0)</b> -- return a comma list of page ids for a database query</p> <p><b>pi_getPageLink(\$id,[\$target],[urlParameters])</b> -- get URL to a page with given id</p> <p><b>pi_linkTP(\$str,[\$urlParameters],[cache],[saltPageId])</b> -- link string to current page. add optional parameters</p> <p><b>pi_linkTP_keepPIvars_url([\$soverrulePIvars],[cache],[clearAnyway],[saltPageId])</b> -- get URL to cur page while keeping current piVars</p> <p><b>pi_linkTP_keepPIvars(\$str,[\$soverrulePIvars],[cache],[clearAnyway],[saltPageId])</b> -- wrap url string in &lt;a&gt; tags</p> <p><b>pi_getClassName(\$class)</b> -- get class name prefixed with prefix_id (i.e. tx_ or mod_) with all _ translated to -</p> <p><b>pi_classParam(\$class)</b> -- return class attribute (class = "class name") with proper class name</p> <p><b>pi_setClassStyle(\$class,\$data,[\$selector])</b> -- set CSS data for given class.</p> <p><b>pi_list_browserresults([\$showResultCount],[tableParams],[wrapArr], [\$pointerName], [\$shcText])</b> -- return a results browser</p> <p><b>pi_list_makelist(\$res,[tableParams])</b> -- return a list of items based on SQL result pointer</p> <p><b>pi_loadLL()</b> -- load local-lang values by looking for locallang.php or locallang.xml</p> <p><b>pi_getLL(\$key,[\$salt],[shc])</b> -- return localized label for LOCAL_LANG key (i.e. pi_getLL('title'))</p>	
MYSQL DATABASE FUNCTIONS	
<p>\$query = \$GLOBALS['TYPO3_DB']-&gt;exec_SELECTquery('*', '&lt;dbtable&gt;', '&lt;where condition&gt;', '&lt;group by&gt;', '&lt;order by&gt;', '&lt;limit&gt;');</p> <p>\$query = \$GLOBALS['TYPO3_DB']-&gt;exec_INSERTquery('&lt;dbtable&gt;', \$insertArray);</p> <p>\$query = \$GLOBALS['TYPO3_DB']-&gt;exec_UPDATEquery('&lt;dbtable&gt;', '&lt;where cond&gt;', \$updateArray);</p> <p>\$query = \$GLOBALS['TYPO3_DB']-&gt;exec_DELETEquery('&lt;dbtable&gt;', '&lt;where cond&gt;');</p> <p>\$res = \$GLOBALS['TYPO3_DB']-&gt;sql(TYPO3_db, \$query); -- get results</p> <p>\$row = \$GLOBALS['TYPO3_DB']-&gt;sql_fetch_assoc(\$res) -- grab a row from results</p> <p><b>t3lib_BEfunc::deleteClause(\$tableName)</b> -- adds the delete clause for mySQL query to just mark as deleted if table is set</p>	