

TYPO3 Constants	
TYPO3_MODE	FE/BE
PATH_typo3	absolute Path to typo3 dir
PATH_site	absolute Path to main dir
PATH_t3lib	absolute Path to t3lib
PATH_typo3conf	absolute Path to typo3conf
TYPO3_db	Database Name
TYPO3_db_username	Database Username
TYPO3_db_password	Database Password
TYPO3_db_host	Database Host

Extension Anatomy	
ext_emconf.php	Definition of extension properties
ext_localconf.php	Addition to "localconf.php"
ext_tables.php	Addition to "tables.php"
ext_tables.sql	SQL definition of database tables.
ext_tables_static+adt.sql	Static SQL tables and their data.
ext_typoscript_constants.txt	Preset TypoScript constants
ext_typoscript_setup.txt	Preset TypoScript setup
ext_typoscript_editorcfg.txt	Preset TypoScript editor configuration
ext_conf_template.txt	Extension Configuration template.
ext_icon.gif	18x16 gif icon for the extension.
(*/)locallang*.php	Localization values.
class.ext_update.php	Local Update tool class
pi*/	Typical folder for a frontend plugin class.
mod*/	Typical folder for a backend module.
res/	All other Files/Folders

TYPO3 Functions/Variables	
\$GLOBALS["TYPO3_DB"]->	(debugOutput = TRUE/FALSE)
exec_INSERTquery(\$table,\$fields_values)	
exec_UPDATEquery(\$table,\$where,\$fields_values)	
exec_DELETEquery(\$table,\$where)	
exec_SELECTquery(\$select_fields,\$from_table,\$where_clause,\$groupBy="", \$orderBy="", \$limit="")	
exec_SELECTgetRows(\$select_fields,\$from_table,\$where_clause,\$groupBy="", \$orderBy="", \$limit="")	
t3lib_div::	
_GP(\$varname)	Specific variable From the GET/POST
_GET(\$varname="")	Get All GET variables or a specific one
_POST(\$varname="")	Get All POST variables or a specific one
makeInstance(\$className)	Creating objects (instead of "\$object = new ClassName();")
array2xml()	Convert a PHP array to XML
xml2array()	Convert XML to a PHP array
getURL(\$file)	Get content by a absolute filepath or an URL
writeFile(\$file,\$content)	Write content to a file with absolute path
t3lib_extMgm::	
extPath(\$extName)	Returns the absolute path to the extension directory.
extRelPath(\$extName)	Returns the relative path for Backend use
siteRelPath(\$extName)	Returns the relative path for Frontend use
tslib_pibase	usually \$this in frontend extensions
pi_getPageLink(\$id,\$target,\$urlParameters)	Get the URL to a specific Page with Parameters
pi_linkToPage(\$str,\$id,\$target,\$urlParameters)	Get the A-tag to a specific Page with \$str as name
pi_linkTP(\$str,\$urlParameters,\$cache,\$altPageId)	A-Tag to current page or alternative Page
pi_linkTP_keepPIvars(\$str,\$overrulePIvars,\$cache,\$clear,\$altPageId)	
pi_linkTP_keepPIvars_url(\$overrulePIvars,\$cache,\$clearAnyway,\$altPageId)	

Hook Method (Preferred method if a Hook exists)

Take a look at the Extension you want to Extend and look for a Hook which offers a Function which suits your needs

```
foreach ($GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['extName/fileName']['hookName'] as $classRef) {
    $hookObjectsArr[] = \TYPO3\CMS\Core\Utility\ClassUtility::getUserObj($classRef);
}
foreach($hookObjectsArr as $hookObj){
    $hookObj->someHookFunction($someParameters,...);
}
```

ext_localconf.php

```
$GLOBALS['TYPO3_CONF_VARS']['EXTCONF']['extName/fileName']['hookName'][] = 'EXT:pathToFile/class.className.php:className';
```

class.className.php

```
class className{
    function someHookFunction($someParameters,...){...}
}
```

XLCASS Method (Old method which should only be used if no Hook is available)

Take a look at the Class you want to Extend

```
class className {
    function someFunction($someParameters,...){...}
}
if (defined('TYPO3_MODE') && $TYPO3_CONF_VARS[TYPO3_MODE]['XCLASS']['extName/fileName']) {
    include_once($TYPO3_CONF_VARS[TYPO3_MODE]['XCLASS']['extName/fileName']);
}
```

ext_localconf.php

```
$TYPO3_CONF_VARS['FE']['XCLASS']['extName/fileName']='pathToFile/class.ux.className.php';
```

class.ux.className.php

```
class ux.className{
    function someFunction($someParameters,...){...}
}
```