

```

<?php

require_once( 'CategoryTravelerBase.php' );

/**
 * Utilities based on category traveler
 *
 * @package MediaWiki
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 */
class CategoryUtil extends CategoryTravelerBase {

    // "cNameList" is a string that could be used in IN clause of a SQL query
    // An example would be: ("Category Name 1", "Category Name 2"...

    // "cNameList" could be get by function "getCNameList".
    // "$categoryRoot" is the name of category that you want to the travel start from.
    // If define "categoryRoot" in function,
    //     "cNameList" would be name list including category root itself and all its children categories.
    // If not define "categoryRoot" in function,
    //     "cNameList" would be name list including all categories.
    var $cNameList;

    function __construct() {
        parent::__construct();
    }

    function getCNameList($categoryRoot=false) {
        parent::buildCategoryTree($categoryRoot);
        parent::travelCategoryTree();

        return $this->cNameList;
    }

    // Implementation of abstract function
    function travelStart() {
        $this->cNameList = "(";
    }

    function travelEnd() {
        $this->cNameList = substr($this->cNameList, 0, strlen($this->cNameList)-1);
        $this->cNameList .= ")";
    }

    function travelBeforeFirst($level, $categoryNode) {
    }

    function travelAfterLast($level, $categoryNode) {
    }
}

```

```
function travel($level, $categoryNode) {  
    $categoryname = $categoryNode->getCategoryName();  
    $this->cNameList .= "\" . $categoryname . "\",";  
}  
}  
?>
```