***htaccess URL rewrite rule***

***Structure:***

***RewriteRule ^user/([A\_Za-z0-9-]+)$ user.php?id=$1 [NC,L]***

***….Rule….. ……...Condition……. ……...Work(query String)…..***

***Here,***

([0-9]+) OR (\w+) OR ([A\_Za-z0-9-]+) user into the query string value like as id=$1 thats menas (---- value ---- ) value under bracket user into id

1) Create 2 File file.php,index.php in **htaccess\_rewrite\_url** project

I want to get allow in index.php parameter(**htaccess\_rewrite\_url/abc/def/gf**) then write in then

Create .***htaccess***:

**RewriteEngine On**

**#not important RewriteBase every time**

**RewriteBase /htaccess\_rewrite\_url/**

**# ture and false file(!-f) and directory(!-d) (^-carat)**

**RewriteCond %{REQUEST\_FILENAME} !-f**

**RewriteCond %{REQUEST\_FILENAME} !-d**

**#htaccess\_rewrite\_url/abc/def/gf [QSA= Query String Append, L= Last] [NC= not case sensetive]**

**RewriteRule ^(.\*)$ index.php?url=$1 [QSA,L]**

**………(OLD URL)…….(NEW URL)……**

**Then index.php:**

**if(isset($\_GET['url']))**

**{**

**echo "<pre>";**

**print\_r($\_GET);**

**$url = $\_GET['url'];**

**$url = explode("/",$url);**

**print\_r($url);**

**}**

2) Create 3 File text.php ,user.php, .htaccess in **2.rewrite\_rule** project  
  
OLD Right now our URL is: [*http://localhost:7331/url\_rewrite\_in\_php/user.php?id=7*](http://localhost:7331/url_rewrite_in_php/user.php?id=7)

(NEW) I want to convert my URL is : : [*http://localhost:7331/url\_rewrite\_in\_php/user/7*](http://localhost:7331/url_rewrite_in_php/user/7)

Old <a> write in text.php : <a href=’user.php?id=7’> ITEM 1 </a>

(NEW) Latest angar link in text.php: <a href=’user/7’> ITEM 1 </a>

Create .htaccess:

**RewriteEngine On**

**RewriteBase /url\_rewrite\_in\_php/**

**RewriteRule ^user/([0-9]+)$ user.php?id=$1 [NC,L] OR**

**RewriteRule ^****user/** **(\w+) $ user.php?id=$1 [NC,L] OR**

**RewriteRule ^user/([A\_Za-z0-9-]+)$ user.php?id=$1 [NC,L]**

**[NB: ([A\_Za-z0-9-]+) user for string and number]**

**[NB : ([0-9]+) user for only number ]**

3) Create 3 File text.php ,user.php, .htaccess in **3.url\_rewrite\_in\_php(id\_catName)** project  
  
(OLD)Right now our URL is: [*http://localhost:7331/url\_rewrite\_in\_php/user.php?id=7*&cat\_nam=himel](http://localhost:7331/url_rewrite_in_php/user.php?id=7&cat_nam=himel)

(NEW)I want to convert my URL is : : [*http://localhost:7331/url\_rewrite\_in\_php/user/7/*himel](http://localhost:7331/url_rewrite_in_php/user/7/himel)

(Old) <a> write in text.php : <a href=’user.php?id=1&cat\_nam=himel’> ITEM 1 </a>

(NEW)Latest angar link in text.php: <a href=’user/1/himel’> ITEM 1 </a>

Create .htaccess:

**RewriteEngine On**

**RewriteBase /url\_rewrite\_in\_php/**

**# ture and false file(!-f) and directory(!-d) (^-carat)**

**RewriteCond %{REQUEST\_FILENAME} !-f**

**RewriteCond %{REQUEST\_FILENAME} !-d**

**RewriteRule ^user/** **(\w+)/** **(\w+) $ user.php?id=$1&cat\_name=$2 [NC,L]**

**RewriteRule ^user/([A\_Za-z0-9-]+)/([A\_Za-z0-9-]+)$ user.php?id=$1&cat\_name=$2 [NC,L]**

4) Create 2 Filse index.php ,news.php, .htaccess in **4.htaccess\_rewrite\_url\_dot\_html** project  
  
OLD Right now our URL is: [*http://localhost:7331/* ***HYPERLINK "http://localhost:7331/%20htaccess\_rewrite\_url\_dot\_html%20/news.php?id=7"*** *"http://localhost:7331/%20htaccess\_rewrite\_url\_dot\_html%20/news.php?id=7"/news.php?id=7*](http://localhost:7331/ htaccess_rewrite_url_dot_html /news.php?id=7"/news.php?id=7)

NEW I want to convert my URL is : : [*http://localhost:7331/* ***HYPERLINK "http://localhost:7331/%20htaccess\_rewrite\_url\_dot\_html%20/news/7" htaccess\_rewrite\_url\_dot\_html***  *HYPERLINK "http://localhost:7331/%20htaccess\_rewrite\_url\_dot\_html%20/news/7"/news/7*](http://localhost:7331/ htaccess_rewrite_url_dot_html /news/7)*.html*

Old <a> write in index.php : <a href= ‘news.php?id=7’> ITEM 1 </a>

NEW Latest angar link in index.php: <a href= ‘news /7.html’> ITEM 1 </a>

Create .htaccess:

**RewriteEngine On**

**#this rewritebase name not importent that is oftional**

**RewriteBase /htaccess\_rewrite\_url\_dot\_html/**

**#CLEAN URL......(^ carat) [NC = NOT CASH SENSETIVE]**

**RewriteRule ^news/([0-9]+)\.html$ news.php?id=$1 [NC,L] OR**

**RewriteRule ^news/(\w+)\.html$ news.php?id=$1 [NC,L] OR**

**RewriteRule ^news/([A\_Za-z0-9-]+)\.html$ news.php?id=$1 [NC,L] OR**

**5)** Create 2 Filse index.php , file.php, .htaccess in **htaccess\_rewrite\_url\_dot\_html** project  
  
OLD Right now our URL is: [*http://localhost:7331/htaccess\_rewrite\_url\_dot\_html****/file.php?id=10&cat\_id=12***](http://localhost:7331/htaccess_rewrite_url_dot_html/file.php?id=10&cat_id=12)

NEW I want to convert my URL is : : [*http://localhost:7331/*](http://localhost:7331/) ***htaccess\_rewrite\_url\_dot\_html /file/10/12.html***

Old <a> write in index.php **<a href="file.php?id=10&cat\_id=12" target="\_blank">FILE PAGE</a>**

Latest angar link in index.php: **<a href="file/10/12.html" target="\_blank">FILE PAGE</a><br>**

Create .htaccess:

**RewriteEngine On**

**#this rewritebase name not importent that is oftional**

**RewriteBase /htaccess\_rewrite\_url\_dot\_html/**

**#[NC = Not Casesencetive]**

**#CLEAN URL......(^ carat)**

**RewriteRule ^file/([0-9]+)/([0-9]+)\.html$ file.php?id=$1****&cat\_id=$2 [NC,L]**

**OR**

**RewriteRule ^([A\_Za-z0-9-]+)/([A-Za-z0-9-=]+)\.html$ news.php?id=$1&cat\_id=$2 [NC,L]**

**6)** Create 2 Filse index.php , file.php, .htaccess in **htaccess\_rewrite\_url\_dot\_html** project  
  
OLD Right now our URL is: [*http://localhost:7331/htaccess\_rewrite\_url\_dot\_html****/file.php?id=10&pages=12***](http://localhost:7331/htaccess_rewrite_url_dot_html/file.php?id=10&pages=12)

NEW I want to convert my URL is : : [*http://localhost:7331/*](http://localhost:7331/) ***htaccess\_rewrite\_url\_dot\_html*** */****file/id/10/pages/12.html***

Old <a> write in index.php <a href="**file.php?id=10&pages=12**" target="\_blank">FILE PAGE</a

Latest angar link in index.php: <a href**="file/id/10/pages/12.html**" target="\_blank">FILE PAGE</a><br>

Create .htaccess:

**RewriteEngine On**

**#this rewritebase name not importent that is oftional**

**RewriteBase /htaccess\_rewrite\_url\_dot\_html/**

**#CLEAN URL......(^ carat)**

**RewriteRule ^file/id/([0-9]+)/** **pages/([0-9]+)\.html$ file.php?id=$1&pages=$2 [NC,L]**

**ex:**

**RewriteRule ^file/id/([0-9]+)/ pages/([0-9]+)\.html$ file.php?id=$1&pages=$2 [NC,L]**

**----------Condition--------------------------- ---------------Work----------------**

**6.1) Very Important:**

Create 2 Filse index.php , file.php, .htaccess in **2.2.htacces\_add\_multiple\_query\_string\_in\_menually** project

1) **Add Menually query string:**

**RewriteRule ^user/([A\_Za-z0-9-]+)$ user.php?id=$1&cloud=cloudOne&name=Himel [NC,L]**

**----------- Menual query string----**

**Action:**

**<a href="user/10" target="\_blank"> Item <?php echo $i; ?></a>**

**2) Single rewriteRule use Multile Action:**

**RewriteRule ^user/(garmany|USA)/([A\_Za-z0-9-]+)/([A\_Za-z0-9-]+)$ user.php?id=$1&county=$2&cloud=GOOGLE [NC,L]**

**Action:**

**<a href="user/garmany/100/<?php echo "Germany"; ?>" target="\_blank"> Garmany <?php echo $i; ?></a>**

**<a href="user/usa/120/<?php echo "USA"; ?>" target="\_blank"> USA <?php echo $i; ?></a>**

**7) Only Value get:**

NEW URL: <http://localhost/htaccess_url_rewrite_blog/2010/>

New anker link = <a href='2010/'> link 1 </a>

**Create .htaccess:**

**RewriteEngine On**

**RewriteBase /htaccess\_url\_rewrite\_blog/**

**RewriteRule ^([A-Za-z0-9-]+)/?$ get\_archives\_by\_year.php?year=$1**

Here year=2010

8) FOUR DIGIT NUMBER OR Topic name:

URL 1: <http://localhost/htaccess_url_rewrite_blog/2222/>

URL 2: <http://localhost/htaccess_url_rewrite_blog/himel/>

Create .htaccess file:

**#multiple Rule [NC = Not Casecensitive , L= Last]**

**RewriteRule ^([0-9]{4})/?$ get\_archives\_by\_year.php?year=$1 [NC,L]**

**---- > Here Fore Digit Number**

**RewriteRule ^([A-Za-z0-9-]+)/?$ get\_archives\_by\_topic.php?topic\_name=$1 [NC,L]**

**---→ Topic name only**

[NB: if we get 4 digit number a a value then redirect "get\_archives\_by\_year.php" FILE OR if we get NAME as a value then redirect "get\_archives\_by\_topic.php" FILE ]

9)

**To redirect an old domain to a new domain:**

**Usefull link: https://www.inmotionhosting.com/support/website/redirects/setting-up-a-301-permanent-redirect-via-htaccess**

**RewriteCond %{HTTP\_HOST} ^old\_domain.com [NC]**

**RewriteRule ^(.\*)$** [**http://www.new\_domain.com/$1**](http://www.new_domain.com/$1) **[L,R=301]**

**To redirect all requests missing "www" (yes www):**

**RewriteCond %{HTTP\_HOST} ^domain.com [NC]**

**RewriteRule ^(.\*)$** [**http://www.domain.com/$1**](http://www.domain.com/$1) **[L,R=301]**

**To redirect all requests with "www" (no www):**

**RewriteCond %{HTTP\_HOST} ^www.domain.com [NC]**

**RewriteRule ^(.\*)$** [**http://domain.com/$1**](http://domain.com/$1) **[L,R=301]**

**Redirect old page to new page:**

**RewriteRule ^old-url.htm$** [**http://www.domain.com/new-url.htm**](http://www.domain.com/new-url.htm) **[NC,R=301,L]**

YouTube Tutorial: (**htaccess Crash Course** ):

**Tutorial 1:**

**i) SET Directory:**

**syntax: DirectoryIndex default.html index.html index.php**

**ii) Assigne error message(specfy as many as needed):**



**Tutorial 2:**

**iii) Enable/ Disable Directory browsing:**

**that creat error 404/403/401**



**.htaccess:**

**DirectoryIndex xyx.html (unknown directory)**

# if Error SHow AND forword error page

**ErrorDocument 404** [**http://localhost:7331/htaccess\_crash\_course/error/error404.php**](http://localhost:7331/htaccess_crash_course/error/error404.php)

**ErrorDocument 403** [**http://localhost:7331/htaccess\_crash\_course/error/error403.php**](http://localhost:7331/htaccess_crash_course/error/error403.php)

# Directory Browsing off:

**Options –Indexes**

**iv)Hide File in Directory Browsing:**



**DirectoryIndex xyx.html (wring File that not exists)**

**#Hide Files in Directory Browsing**

**IndexIgnore \***

**v) Block/Allow access IP address: (this code allow and block span website in access our site)**



**Tutorial 3:**

**vi)RedirectURL:**



**Example: into .htaccess**

**#Creae Default Directory…**

**DirectoryIndex index.html index.php**

**# if Error SHow AND forword error page**

**ErrorDocument 404** [**http://localhost:7331/htaccess\_crash\_course/error/error404.php**](http://localhost:7331/htaccess_crash_course/error/error404.php)

**ErrorDocument 403** [**http://localhost:7331/htaccess\_crash\_course/error/error403.php**](http://localhost:7331/htaccess_crash_course/error/error403.php)

**#Hide Files in Directory Browsing**

**IndexIgnore \***

**RewriteEngine On**

**RewriteBase /htaccess\_crash\_course/**

**RewriteRule ^example.php$ default.html [R=301]**

**vii) Block Access from specific refer:**

(you can block span that have come from youtube or fb etc)



**viii)**

**If” mod\_rewrite” is off in the ‘http\_conf’ file then we must able this file in .htaccess**

**Example:**

**<ifModule mod\_rewrite.c>**

**RewriteEngine On**

**RewriteRule ^example.php$ default.html [R=301]**

**</ifModule>**

**viii) Redirect Domain Name without “www” prefix:**

if your site isn’t start with **www** but user input [**www.xyz.com**](http://www.xyz.com/) then it redirect to **xyz.com**

**example:**



if your site is start with **www** but user input [**xyz.com**](http://www.xyz.com/) then it redirect to [www.**xyz.com**](http://www.xyz.com/)

**example:**



**iX) Remove index.php**

Create .***htaccess***:

**RewriteEngine On**

**#not important RewriteBase every time**

**RewriteBase /htaccess\_rewrite\_url/**

**# ture and false file(!-f) and directory(!-d) (^-carat)**

**RewriteCond %{REQUEST\_FILENAME} !-f**

**RewriteCond %{REQUEST\_FILENAME} !-d**

**#htaccess\_rewrite\_url/abc/def/gf**

**RewriteRule ^(.\*)$ index.php?url=$1 [QSA,L]**

**Then index.php:**

**if(isset($\_GET['url']))**

**{**

**echo "<pre>";**

**print\_r($\_GET);**

**$url = $\_GET['url'];**

**$url = explode("/",$url);**

**print\_r($url);**

**}**

**Tutorial: 5**

**X) Enable gZip Compression:**



**Xi) Leverage Browser caching:**



**Previous Beta.mylighthost .htaccess file:**

**ErrorDocument 404 https://beta.mylighthost.com/404.html**

**RewriteEngine on**

**RewriteBase /**

**RewriteCond %{REQUEST\_FILENAME} !-f**

**RewriteRule ^(.\*[^/])$ /$1/ [L,R=301] # <- for test, for prod use [L,R=301]**

**#RewriteRule ^([a-zA-Z0-9]+|)/?$ index.php?cat=$1 [QSA]**

**RewriteRule ^(cloud-hosting|web-hosting|reseller|cloud|vps|dedicated|domain|promotions|comparison)/?$ index.php?cat=$1 [L]**

**RewriteRule ^reseller/(usa|uk|germany)/?$ index.php?cat=reseller&page=$1 [L]**

**RewriteRule ^cloud/(hosting|germany)/?$ index.php?cat=cloud&page=$1 [L]**

**RewriteRule ^domain/([a-zA-Z0-9\_.]+)/?$ index.php?cat=domain&tld=$1 [NC,QSA]**

**RewriteRule ^domain/tld/([a-zA-Z]+)/?$ index.php?cat=domain&category=$1 [NC,QSA]**

## **htaccess flag list**

* **C (chained with next rule)**
* **CO=cookie (set specified cookie)**
* **E=var:value (set environment variable var to value)**
* **F (forbidden - sends a 403 header to the user)**
* **G (gone - no longer exists)**
* **H=handler (set handler)**
* **L (last - stop processing rules)**

**Last rule: instructs the server to stop rewriting after the preceding directive is processed.**

* **N (next - continue processing rules)**
* **NC (case insensitive)**
* **NE (do not escape special URL characters in output)**
* **NS (ignore this rule if the request is a subrequest)**
* **P (proxy - i.e., apache should grab the remote content specified in the substitution section and return it)**
* **PT (pass through - use when processing URLs with additional handlers, e.g., mod\_alias)**
* **R (temporary redirect to new URL)**
* **R=301 (permanent redirect to new URL)**
* **QSA (append query string from request to substituted URL)**
* **S=x (skip next x rules)**
* **T=mime-type (force specified mime type)**

**Flags are added to the end of**