1. Configure apache to use Worker MPM

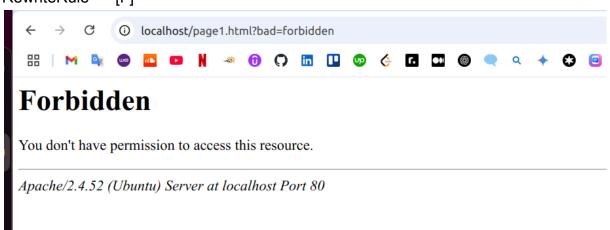
2. Check the status of rewrite\_mod and enable it if it is enabled.



## Its enabled

- 3. Write RewriteCond and RewiteRules for:
  - a. Deny access to http://localhost/page?queryString if queryString contains the string forbidden.

RewriteEngine On RewriteCond %{QUERY\_STRING} forbidden RewriteRule ^ - [F]

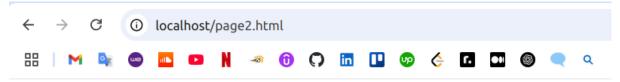


## b. Remove the Query String

RewriteEngine On RewriteCond %{QUERY\_STRING} !^\$ RewriteRule ^(.\*)\$ /\$1? [R=301,L]

c. Rewrite URLs like http://localhost/page1?var=val to http://localhost/page2?var=val but do not rewrite if val isn't present.

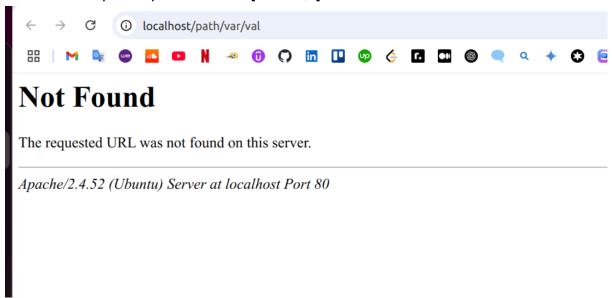
RewriteEngine On
RewriteCond %{REQUEST\_URI} ^/page1\$
RewriteCond %{QUERY\_STRING} (^|&)var=val(&|\$)
RewriteRule ^page1\$ /page2?%{QUERY\_STRING} [R=301,L]



## Welcome to Page 2!

d. Take a URL of the form http://localhost/path?var=val and transform it into <a href="http://localhost/path/var/val">http://localhost/path/var/val</a>.

RewriteCond %{QUERY\_STRING} ^([^=]+)=([^&]+)\$ RewriteRule ^path\$ /path/%1/%2? [R=301,L]



e. Map http://localhost/example/one/two to http://localhost/something.cgi?arg=one&other=two

RewriteEngine On RewriteRule ^example/([^/]+)/([^/]+)\$ /something.cgi?arg=\$1&other=\$2 [R=301,L]

- f. (Bonus) Display a goodevening.html page if the time is after 6:00 PM and goodmooring.html page if the time is before that
- 4. Create a virtual host for os.iti.gov.eg to redirect to a local directory in your server task4,8