SOFTWARE AG

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EX.NO: 10   **DATE: 14/04/2021**

Aim:

To install apache2 server and to make it listen to port number 8080.

Commands:

> sudo apt-install apache2

In browser:

For verification that the apache2 has been working properly we can go to the browser and check with http://192.168.31.77 (my private IP address)

Now

> cd /etc/apache2

> nano ports.conf

```
  GNU nano 4.8                                         ports.conf
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 8080

<IfModule ssl_module>
        Listen 443
</IfModule>

<IfModule mod_gnutls.c>
        Listen 443
</IfModule>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

```
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     M-U Undo    M-A Mark Text    M-] To Bracket   M-Q Previous   ^B Back        ^  Prev Word
^X Exit        ^R Read File   ^\ Replace     ^U Paste Text  ^T To Spell    ^_ Go To Line  M-E Redo    M-6 Copy Text    ^Q Where Was     M-W Next       ^F Forward         Next Word
```
                                            [Read 15 lines]

Here in the listen part I changed the port to 8080.
As the same we also need the change the VirtualHost port address which will be present in
/etc/apache2/sites-enabled/000-default.conf

> cd ..
> cd sites-enabled
> nano 000-default.conf

```
  GNU nano 4.8                                         000-default.conf
<VirtualHost *:8080>
        # The ServerName directive sets the request scheme, hostname and port that
        # the server uses to identify itself. This is used when creating
        # redirection URLs. In the context of virtual hosts, the ServerName
        # specifies what hostname must appear in the request's Host: header to
        # match this virtual host. For the default virtual host (this file) this
        # value is not decisive as it is used as a last resort host regardless.
        # However, you must set it for any further virtual host explicitly.
        #ServerName www.example.com

        ServerAdmin webmaster@localhost
        DocumentRoot /var/www/html

        # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
        # error, crit, alert, emerg.
        # It is also possible to configure the loglevel for particular
        # modules, e.g.
        #LogLevel info ssl:warn

        ErrorLog ${APACHE_LOG_DIR}/error.log
        CustomLog ${APACHE_LOG_DIR}/access.log combined

        # For most configuration files from conf-available/, which are
        # enabled or disabled at a global level, it is possible to
        # include a line for only one particular virtual host. For example the
        # following line enables the CGI configuration for this host only
        # after it has been globally disabled with "a2disconf".
        #Include conf-available/serve-cgi-bin.conf
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```
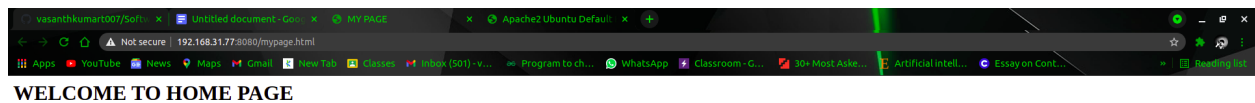
```
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     M-U Undo    M-A Mark Text    M-] To Bracket   M-Q Previous   ^B Back        ^  Prev Word
^X Exit        ^R Read File   ^\ Replace     ^U Paste Text  ^T To Spell    ^_ Go To Line  M-E Redo    M-6 Copy Text    ^Q Where Was     M-W Next       ^F Forward         Next Word
```
                                            [Wrote 31 lines]

Hereby I made the server to listen to the port 8080. Now I create a html file to be displayed in that port.

> cd /var/www/html
> nano mypage.html

```
<html>
<head>
<title> MY PAGE </title>
</head>
<body>
<h1> WELCOME TO HOMEPAGE </h1>
</body>
</html>
```

Now in the browser inside the url "http://192.168.31.77:8080/mypage.html" will display

Result:
          The apache2 server is working properly and the server is listening to the corresponding port address.