

**SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE**  
**DEPARTMENT OF COMPUTER ENGINEERING**  
**B.E. COMPUTER ENGINEERING**

**Subject: SOL**  
**Session Aug-Dec 2021**  
**Lab Assignments 2**  
**Apache Server Configuration**

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## Steps:

**sudo service apache2 status:**

```
2140 history
mradul@mradul-Vostro-15-3568: /var/www$ sudo service apache2 status
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Drop-In: /lib/systemd/system/apache2.service.d
            └─apache2-systemd.conf
   Active: active (running) since Fri 2021-09-17 13:10:40 IST; 13min ago
     Process: 29542 ExecStop=/usr/sbin/apachectl stop (code=exited, status=0/SUCCESS)
     Process: 29555 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 29573 (apache2)
      Tasks: 55 (limit: 4915)
   CGroup: /system.slice/apache2.service
           └─29573 /usr/sbin/apache2 -k start
             └─29574 /usr/sbin/apache2 -k start
               └─29576 /usr/sbin/apache2 -k start

Sep 17 13:10:40 mradul-Vostro-15-3568 systemd[1]: Starting The Apache HTTP Server...
Sep 17 13:10:40 mradul-Vostro-15-3568 apachectl[29555]: AH00558: apache2: Could not reliably determine the server's fully qualified domain nam
Sep 17 13:10:40 mradul-Vostro-15-3568 systemd[1]: Started The Apache HTTP Server.
lines 1-17/17 (END)
```

## history:

```
mradul@mradul-Vostro-15-3568: /var/www
File Edit View Search Terminal Help
2000 gedit Main.java
2001 rpm -q apache2
2002 sudo apt install rpm
2003 rpm -q apache2
2004 sudo apt-get install apache2
2005 sudo mkdir /var/www/gci/
2006 cd /var/www/gci/
2007 gedit index.html
2008 sudo gedit index.html
2009 cd /etc/apache2/sites-available/
2010 sudo cp 000-default.conf gci.conf
2011 sudo gedit gci.conf
2012 history
2013 sudo gedit gci.conf
2014 sudo a2ensite gci.conf
2015 service apache2 reload
2016 sudo a2ensite gci.conf
2017 sudo gedit gci.conf
2018 sudo apache2 -v
2019 sudo apache2ctl -t
2020 sudo gedit gci.conf
2021 sudo a2ensite gci.conf
2022 service apache2 reload
2023 sudo apache2ctl -t
2024 sudo systemctl start apache2
2025 sudo systemctl enable apache2
2026 sudo systemctl restart apache2
2027 sudo gedit gci.conf
2028 sudo apache2ctl -t
2029 history
2030 cd /var/www
2031 ls
2032 sudo mkdir -p abc.next/public_html
2033 sudo mkdir -p abc.net/public_html
2034 sudo mkdir -p xyz.com/public_html
2035 tree
2036 sudo apt install tree
2037 tree
```

```
Activities Terminal Fri 13:22 mradul@mradul-Vostro-15-3568: /var/www
File Edit View Search Terminal Help
2036 sudo apt install tree
2037 tree
2038 ls -la
2039 ls -l abc.net/
2040 sudo chown -R $USER:$USER abc.net/public_html/
2041 sudo chown -R $USER:$USER xyz.com/public_html/
2042 ls -la
2043 ls -l abc.net/
2044 ls
2045 sudo chown -R $USER:$USER gci
2046 ls -l gci/
2047 cp -r /home/mradul/Desktop/7sem/sol/Web/* abc.net/public_html/
2048 tree
2049 sudo service apache2 start
2050 ifconfig
2051 ipconfig
2052 sudo apt install net-tools
2053 ifconfig
2054 sudo apache2ctl -t
2055 sudo gedit gci.conf
2056 history
2057 sudo service apache2 start
2058*
2059 sudo gedit gci/gci.conf
2060 cd /etc/apache2/sites-available/
2061 sudo gedit gci.conf
2062 cd /var/www
2063 ls
2064 tree
2065 cd abc.net
2066 ls
2067 rm -rf public_html/
2068 sudo rm -rf public_html/
2069 cp -r /home/mradul/Desktop/7sem/sol/Web/* abc.net/public_html/
2070 ls
2071 mkdir public_html
2072 sudo mkdir public_html
2073 cp -r /home/mradul/Desktop/7sem/sol/Web/* abc.net/public_html/
2074
```

```
Activities Terminal Fri 13:22 mradul@mradul-Vostro-15-3568: /var/www
File Edit View Search Terminal Help
2072 sudo mkdir public_html
2073 cp -r /home/mradul/Desktop/7sem/sol/Web/* abc.net/public_html/
2074 cd ..
2075 cp -r /home/mradul/Desktop/7sem/sol/Web/* abc.net/public_html/
2076 sudo cp -r /home/mradul/Desktop/7sem/sol/Web/* abc.net/public_html/
2077 ls
2078 tree
2079 cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/abc.net.conf
2080 sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/abc.net.conf
2081 sudo gedit /etc/apache2/sites-available/abc.net.conf
2082 sudo gedit /etc/apache2/sites-available/abc.net.conf
2083 cp -r /home/mradul/Desktop/7sem/sol/Web1/* xyz.com/public_html/
2084 ls
2085 cp -r /home/mradul/Desktop/7sem/sol/Web2/* xyz.com/public_html/
2086 tree
2087 sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/xyz.net.conf
2088* sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites
2089 sudo gedit /etc/apache2/sites-available/xyz.com.conf
2090 sudo gedit /etc/apache2/sites-available/xyz.com.conf
2091 history
2092 sudo a2ensite gci.conf
2093 sudo a2ensite xyz.com.conf
2094 sudo a2dissite 000-default.conf
2095 sudo service apache2 restart
2096 sudo a2ensite abc.net.conf
2097 sudo service apache2 restart
2098 ifconfig
2099 sudo cat /etc/hosts
2100 sudo gedit /etc/hosts
2101 sudo gedit /etc/apache2/sites-available/xyz.com.conf
2102 sudo gedit /etc/apache2/sites-available/xyz.com.conf
2103 sudo gedit /etc/apache2/sites-available/abc.net.conf
2104 cd /etc/apt
2105 cat apt.conf
2106 ls
2107 tree
2108 gedit /etc/hosts
2109 sudo gedit /etc/hosts
```

```
Activities Terminal Fri 13:23
mradul@mradul-Vostro-15-3568: /var/www

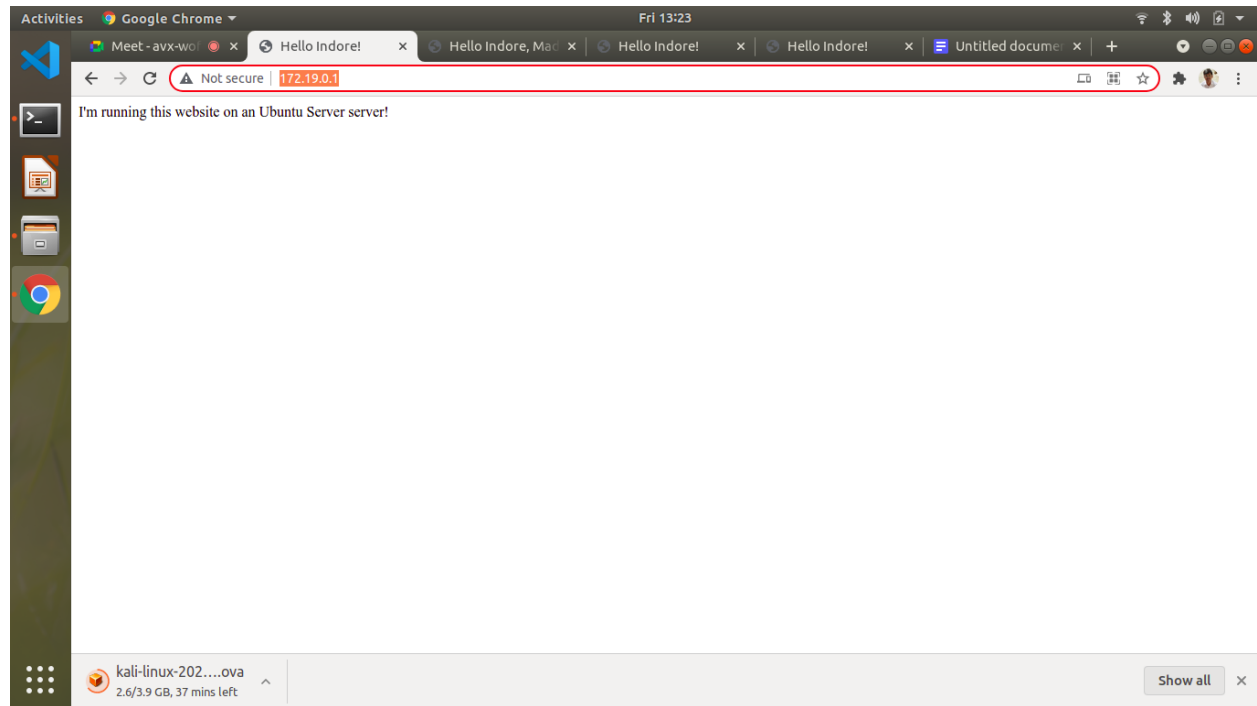
File Edit View Search Terminal Help

2104 cd /etc/apt
2105 cat apt.conf
2106 ls
2107 tree
2108 gedit /etc/hosts
2109 sudo gedit /etc/hosts
2110 gedit /etc/hosts
2111 sudo gedit /etc/hosts
2112 cd /var/www
2113 tree
2114 sudo gedit gci/index.html
2115 sudo service apache2 restart
2116 ifconfig
2117 sudo gedit /etc/hosts
2118 sudo gedit abc.net/public_html/
2119 sudo gedit gci/public_html/index.html
2120 sudo gedit gci/index.html
2121 sudo service apache2 restart
2122 sudo a2ensite gci.conf
2123 sudo service apache2 status
2124 sudo apache2ctl -t
2125 sudo service apache2 restart
2126 sudo gedit /etc/hosts
2127 sudo service apache2 restart
2128 sudo apache2ctl -t
2129 sudo gedit /etc/apache2/sites-available/xyz.com.conf
2130 sudo gedit /etc/apache2/sites-available/xyz.com.conf
2131 sudo gedit /etc/apache2/sites-available/abc.net.conf
2132 sudo gedit /etc/apache2/sites-available/gci.conf/
2133 tree
2134 cd gci/
2135 sudo gedit index.html
2136 cd ..
2137 tree
2138*
2139 sudo gedit gci/public_html/index.html
2140 history
mradul@mradul-Vostro-15-3568:/var/www$
```

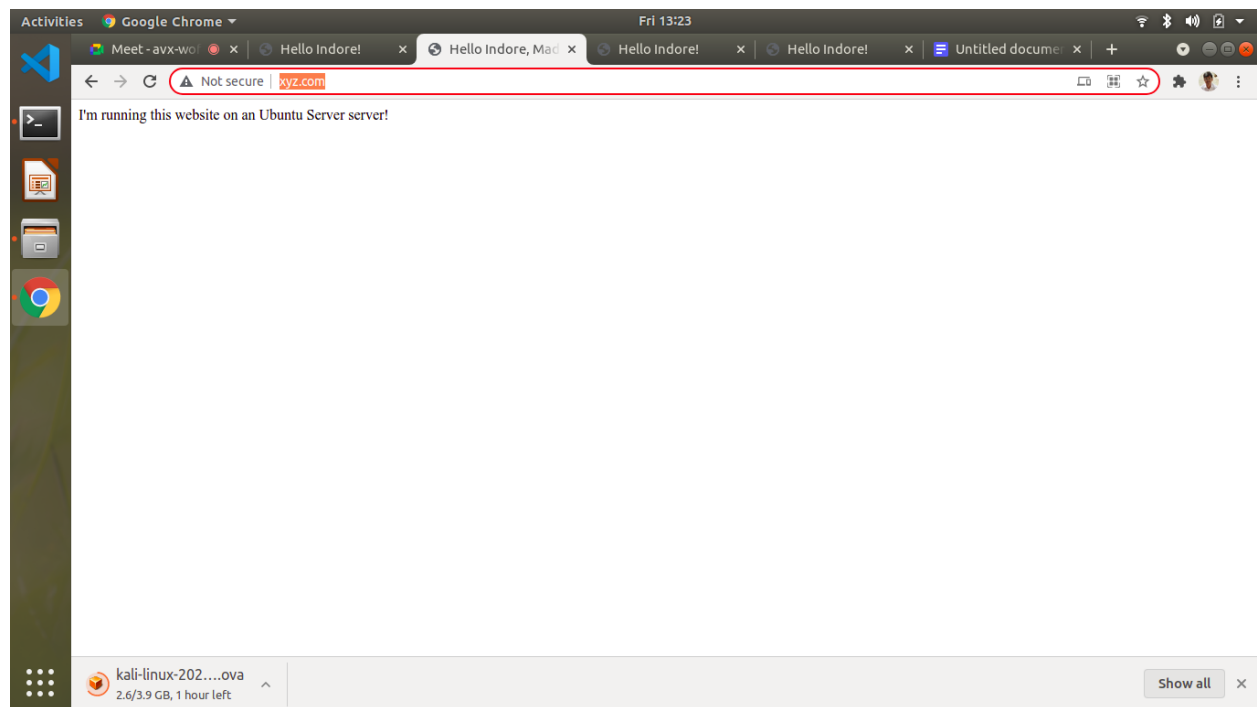
```
abc.net abc.next gci.html xyz.com
mradul@mradul-Vostro-15-3568:/var/www$ cp -r /home/mradul/Desktop/7sem/sol/Web2/* xyz.com/public_html/
mradul@mradul-Vostro-15-3568:/var/www$ tree
.
├── abc.net
│   ├── public_html
│   │   └── index.html
├── abc.next
│   └── public_html
├── gci
│   └── index.html
├── html
│   └── index.html
└── xyz.com
    ├── public_html
    │   └── index.html
    └── index.html

8 directories, 4 files
mradul@mradul-Vostro-15-3568:/var/www$ sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-availabl
```

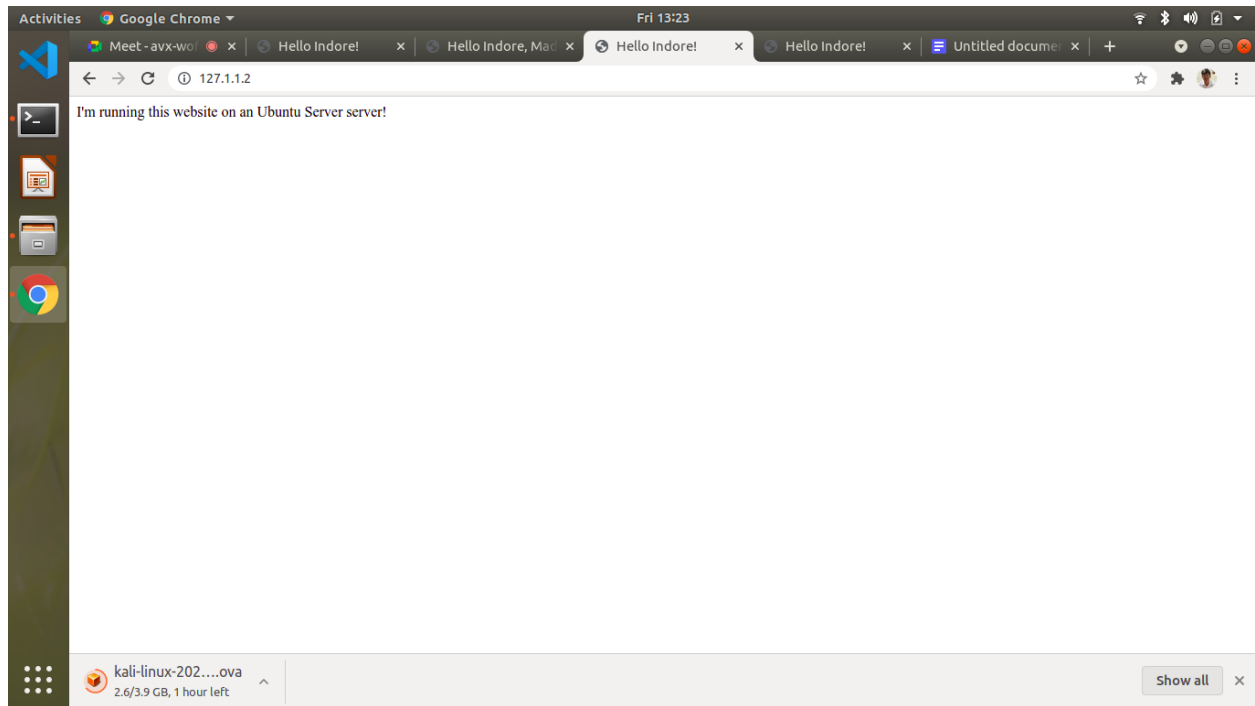
172.19.0.3:



[www.xyz.com](http://www.xyz.com):



127.1.1.2:



gci.example.com:

