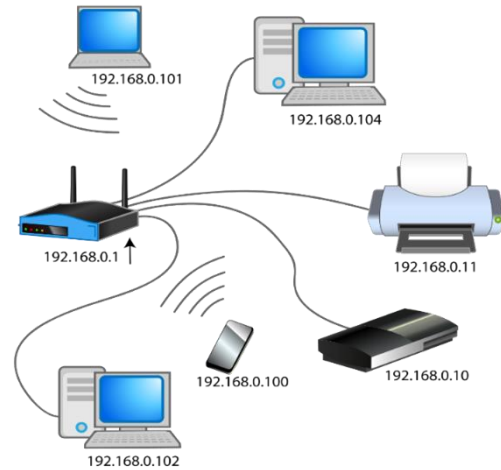


# HOW TO FIND YOUR LOCAL IP ADDRESS ?

Terminal command

- Windows: `> ipconfig`
- Linux: `$ ip a`

Local IP address format is 192.168.XXX.XXX



```
Windows PowerShell
PS C:\Users\Hyacinthe\Desktop> ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : pnc.lan

Wireless LAN adapter Local Area Connection* 1:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . : pnc.lan
    Link-local IPv6 Address . . . . . : fe80::e823:9215:9e6b:31d9%16
    IPv4 Address. . . . . : 192.168.108.17
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.108.254

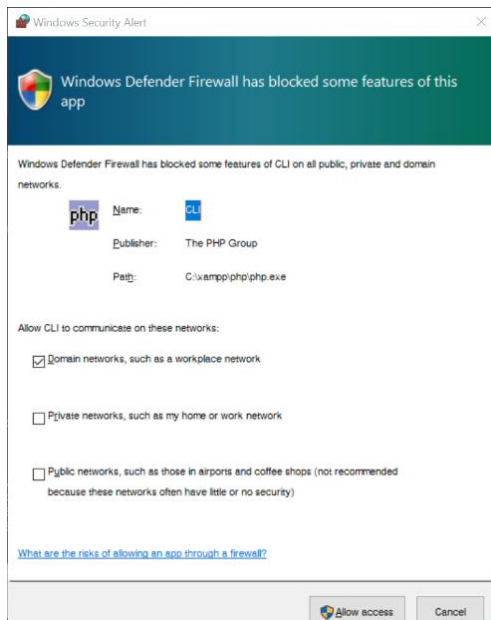
Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

PS C:\Users\Hyacinthe\Desktop>
```

```
Terminal
File Edit View Search Terminal Help
(base) [hyacinthe@hyacinthe-Lenovo-YOGA-C930-13IKB ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid lft forever preferred_lft forever
2: wlp107s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 18:1d:ea:9e:9b:16 brd ff:ff:ff:ff:ff:ff
    inet 192.168.108.164/24 brd 192.168.108.255 scope global dynamic noprefixroute wlp107s0
        valid lft 561sec preferred_lft 561sec
    inet6 fe80::fe03:7326:48b1:1a22/64 scope link noprefixroute
        valid lft forever preferred_lft forever
(base) [hyacinthe@hyacinthe-Lenovo-YOGA-C930-13IKB ~]$
```

# HOW TO START PHP BUILT-IN WEB SERVER ?



If you get a Security Alert from the firewall, click on **“Allow Access”** and ask to the teacher the admin access for PNC computer.

If you clicked on Cancel, ask the teacher to configure the firewall

1. Go to the directory of the activity (use the command `> cd` (“change directory”))
2. Use terminal command `> php -S <ip>:<port>` (Capital ‘S’ !)  
    <ip> = Your IP address  
    <port> = use any number between 1024 and 9999, for example 8080

```
C:\WINDOWS\system32\cmd.exe - php -S 192.168.108.17:8080
Microsoft Windows [Version 10.0.19042.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Hyacinthe>php -S 192.168.108.17:8080
[Fri Feb 11 09:55:14 2022] PHP 8.1.1 Development Server (http://192.168.108.17:8080) started
```

# LOCALHOST

The same computer can be at the same time server and client!

As a server, how can you access the site you are hosting?

## 3 solutions:

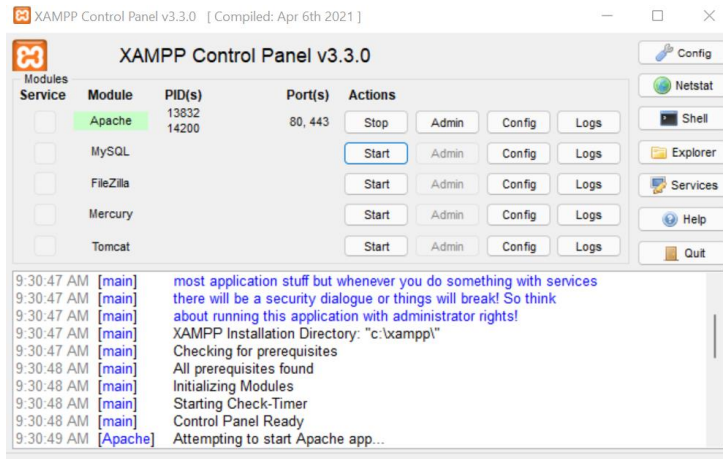
1. `http://<local_network_ip>:<port>`  
→ Like the other clients!
2. `http://127.0.0.1:<port>`  
→ 127.0.0.1 is special IP address redirecting to your own computer
3. `http://localhost:<port>`  
→ localhost resolves to 127.0.0.1

For web development: No need 2 computers, and no need to know your IP

# APACHE

PHP built-in server is fine for development only

Start Apache then visit <http://localhost> (on default port 80!)



You can change the content of the folder xampp/htdocs to change the default content to your website!

