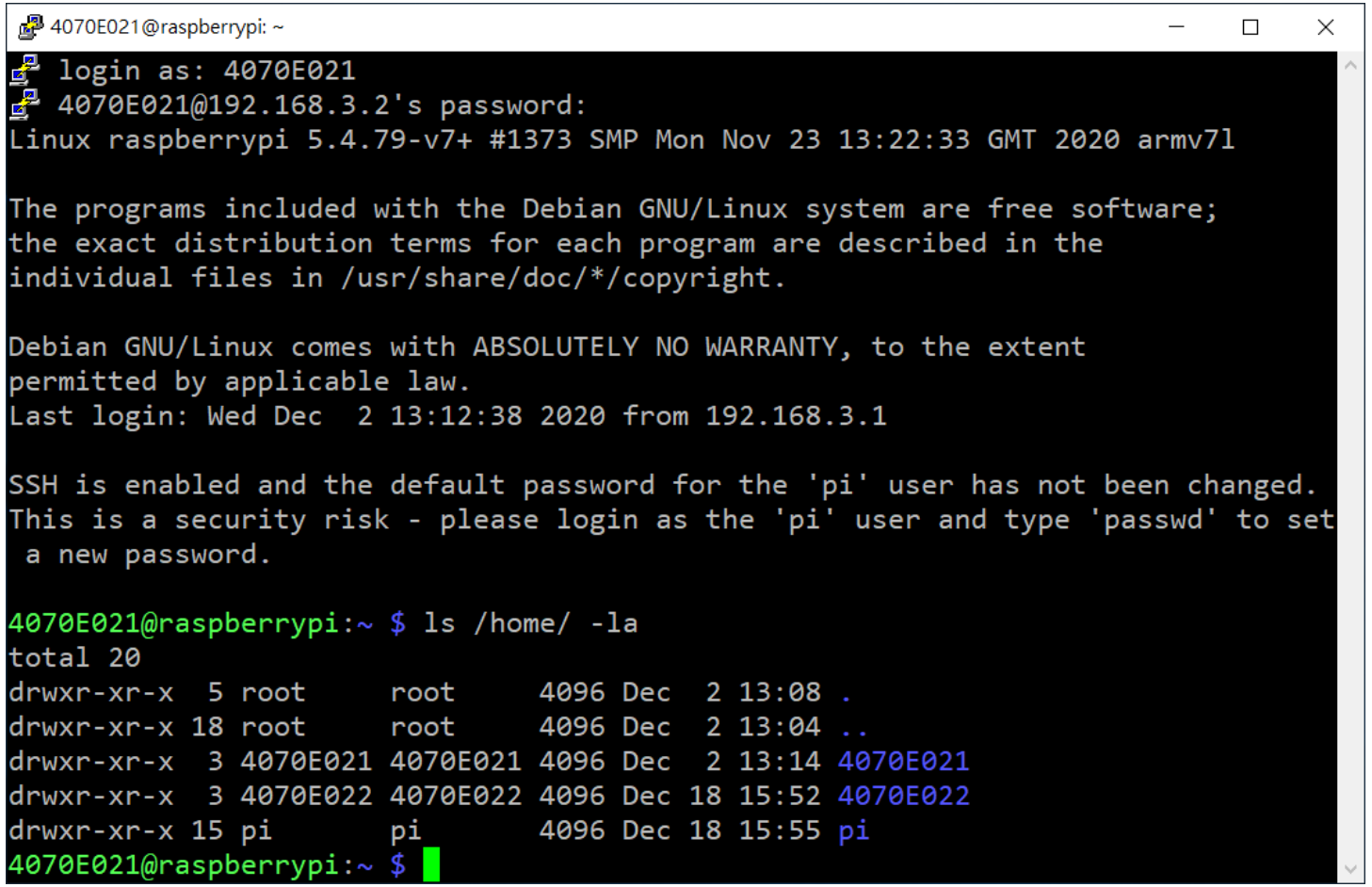
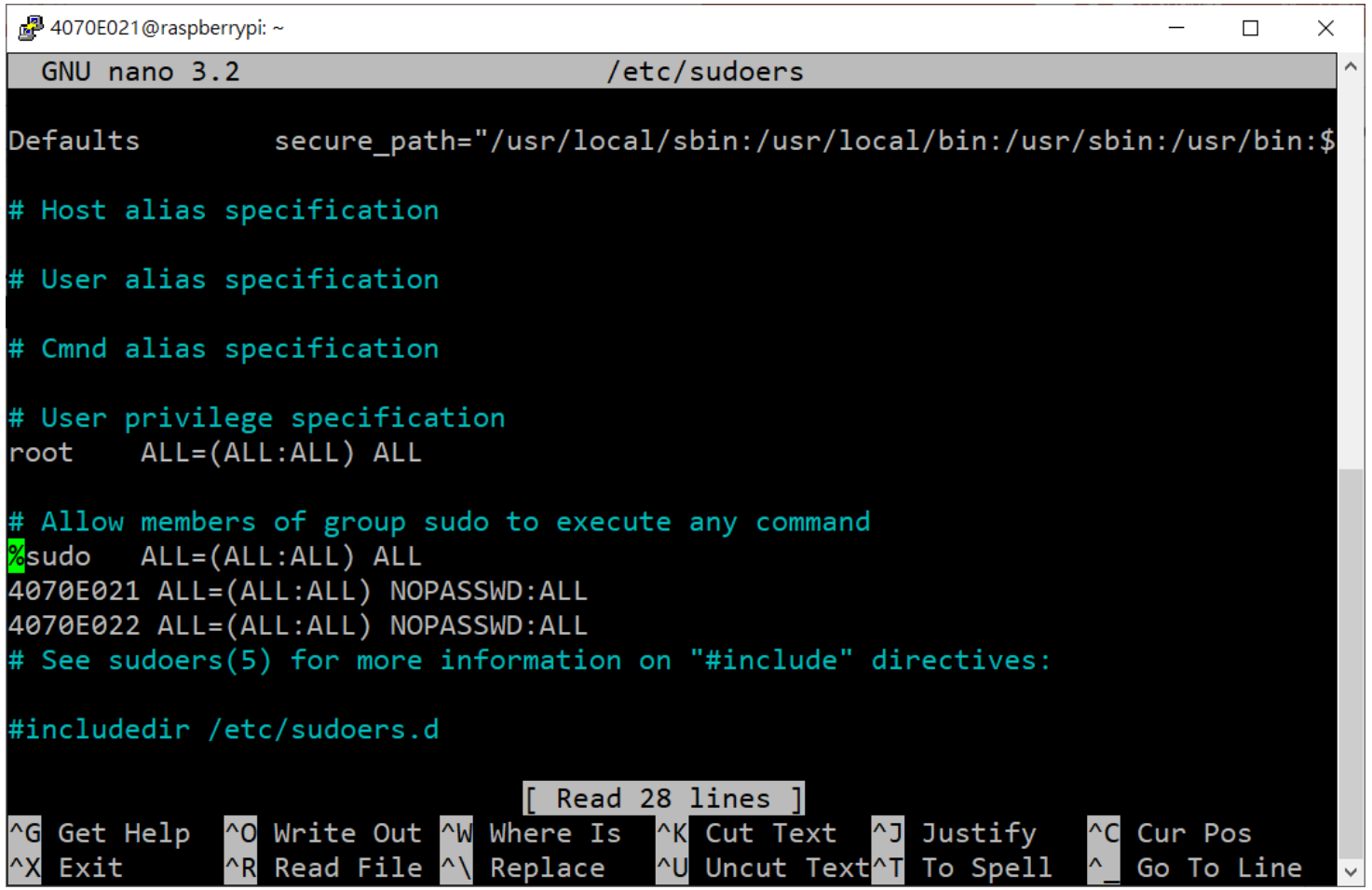
RPI平台建置

班級：資工三A　學號：4070E021
姓名：蘇宇祥　　指導老師：周志學

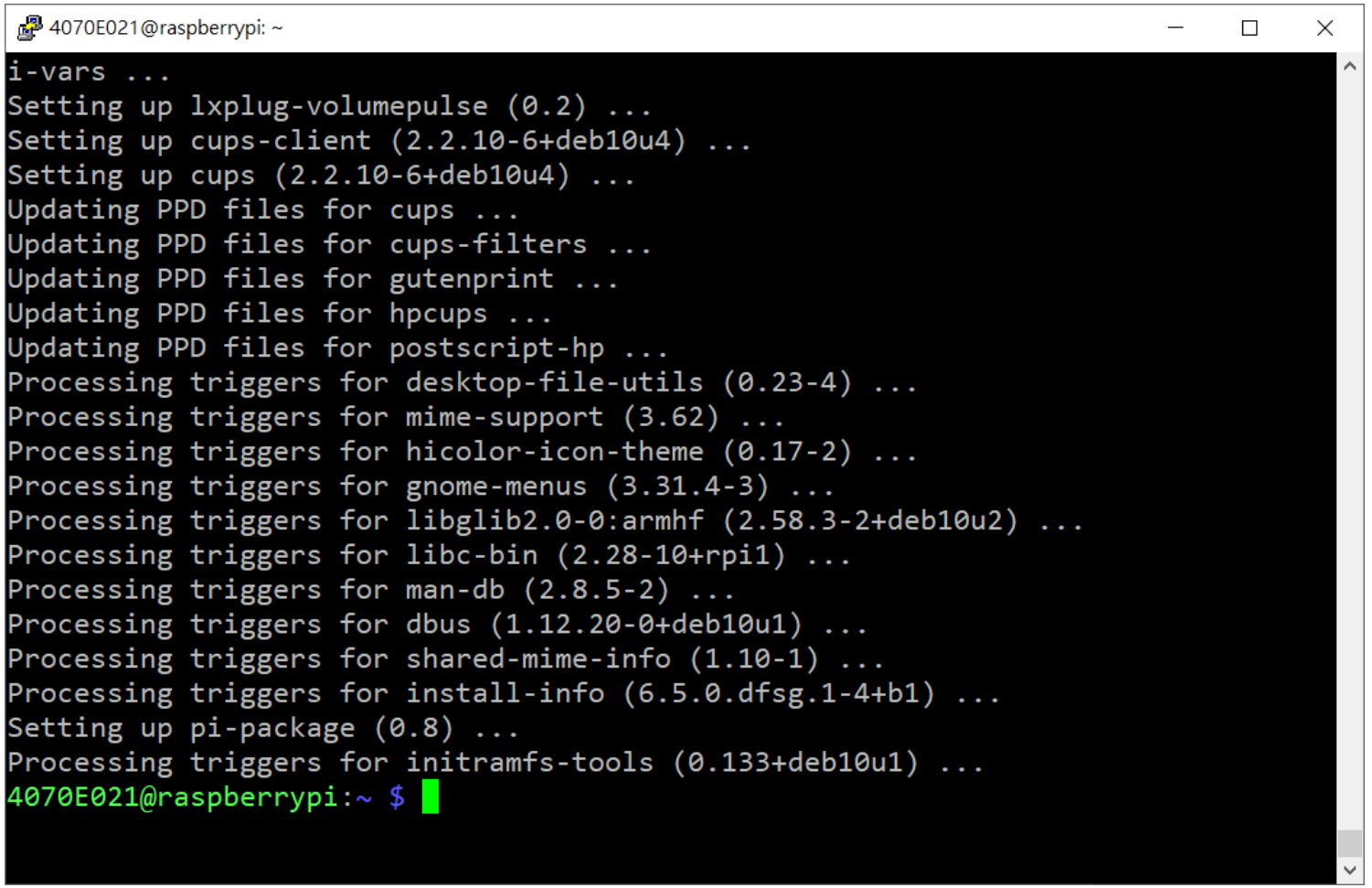
1-1.列出學號(4070E021)



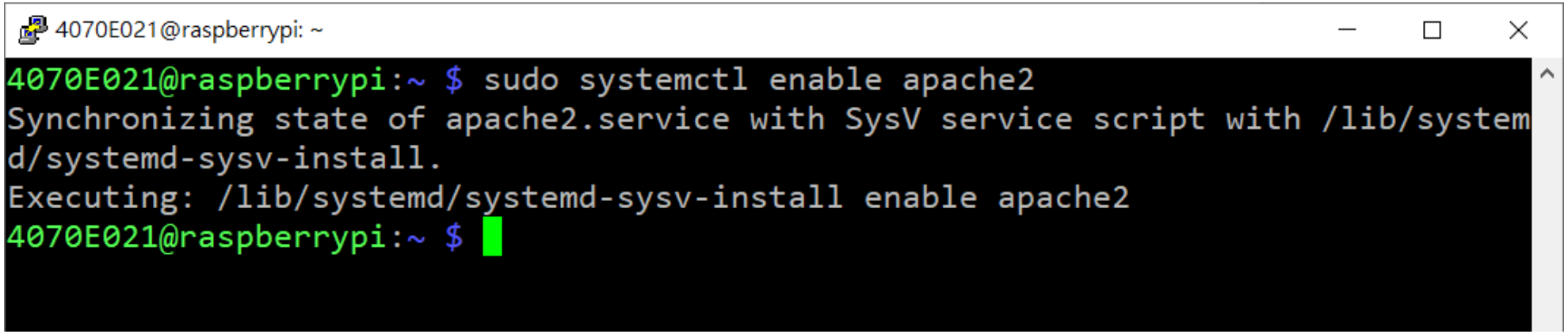
1-2.確認學號加入權限


4070E021@raspberrypi: ~
GNU nano 3.2 /etc/sudoers
Defaults secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:$
Host alias specification
User alias specification
Cmnd alias specification
User privilege specification
root ALL=(ALL:ALL) ALL
Allow members of group sudo to execute any command
%sudo ALL=(ALL:ALL) ALL
4070E021 ALL=(ALL:ALL) NOPASSWD:ALL
4070E022 ALL=(ALL:ALL) NOPASSWD:ALL
See sudoers(5) for more information on "#include" directives:
#includedir /etc/sudoers.d
[Read 28 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line

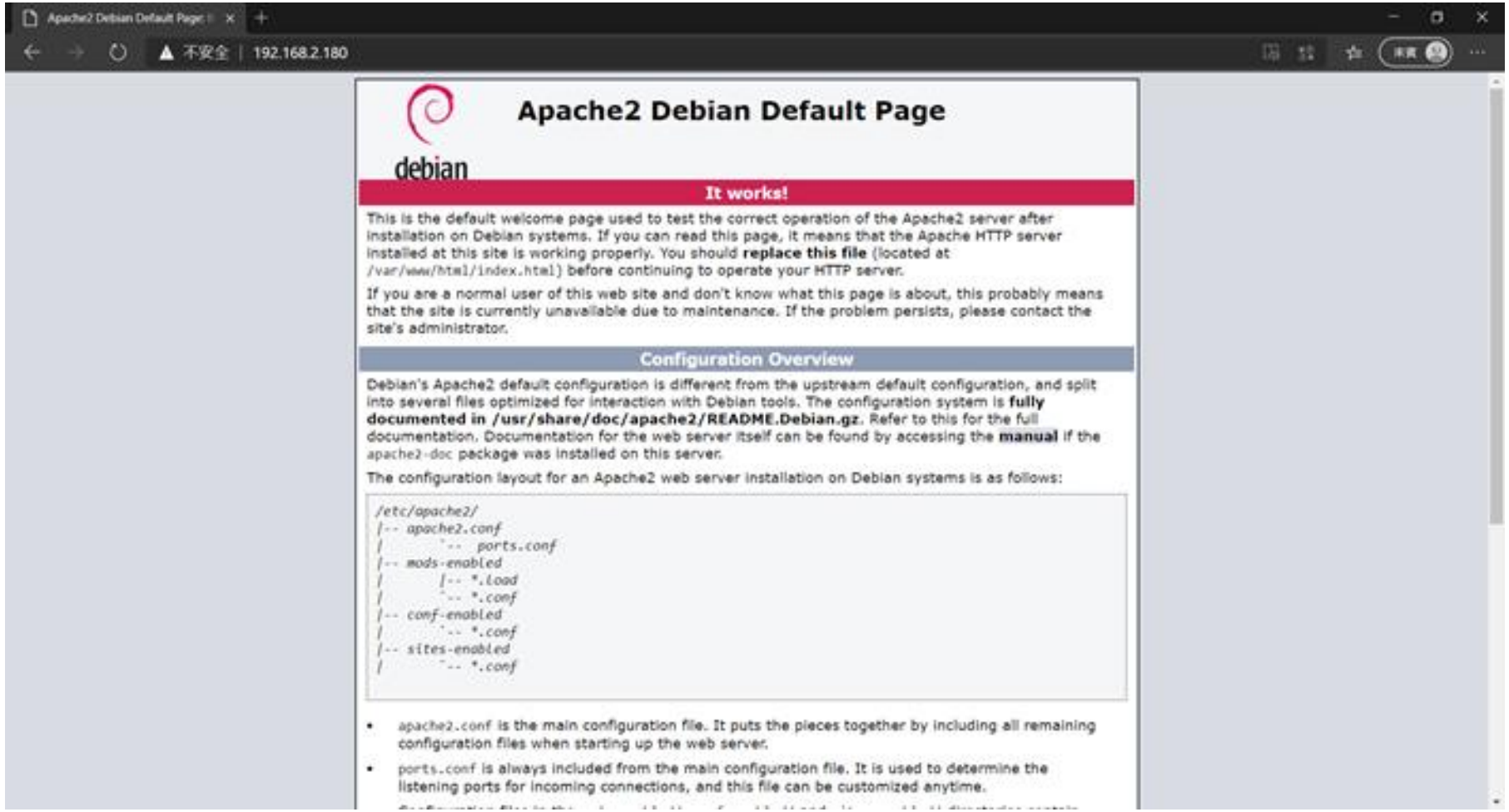
2.安裝apache2套件



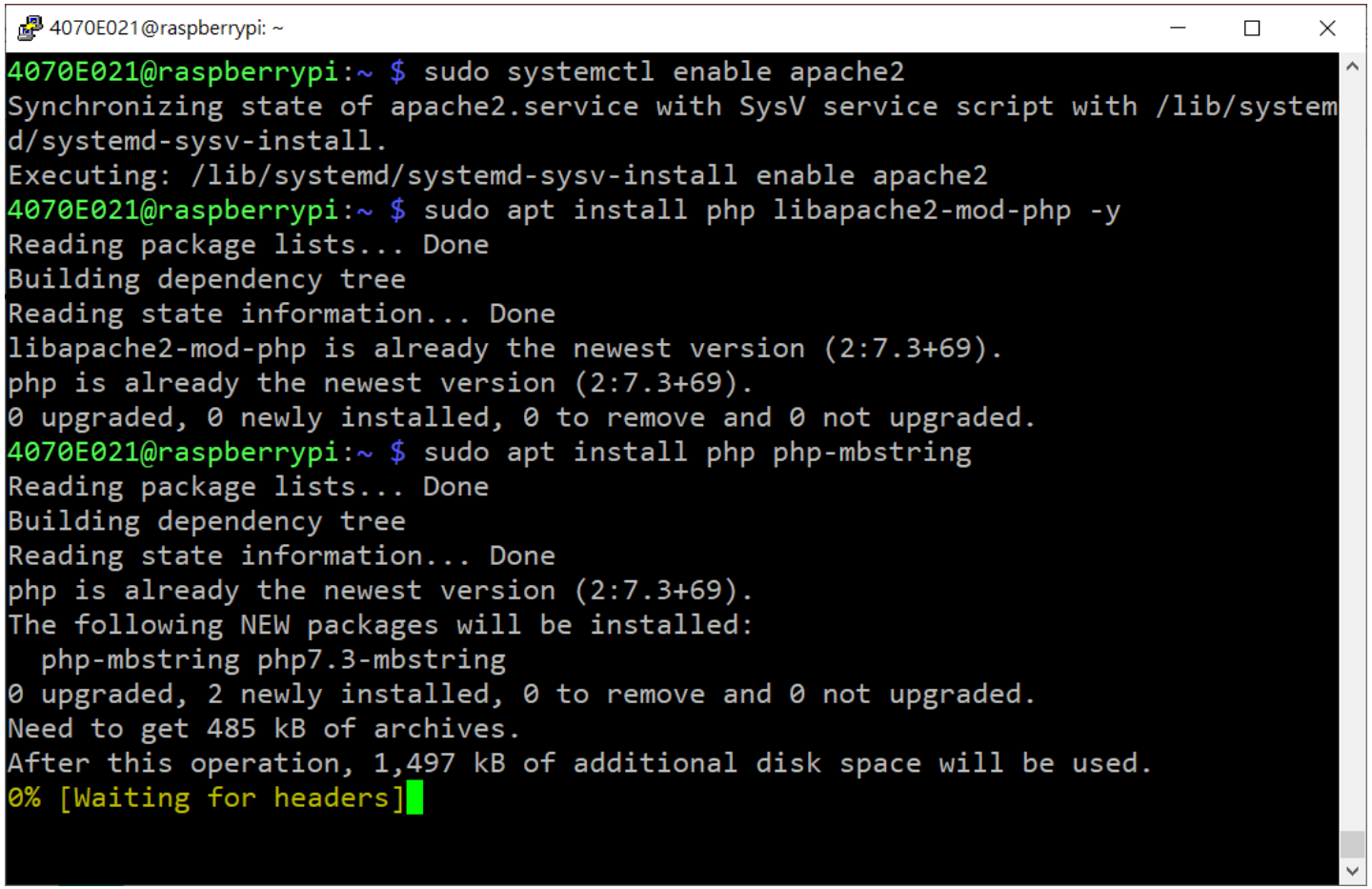
3.啟動apache2


4070E021@raspberrypi: ~
4070E021@raspberrypi:~ $ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
4070E021@raspberrypi:~ $

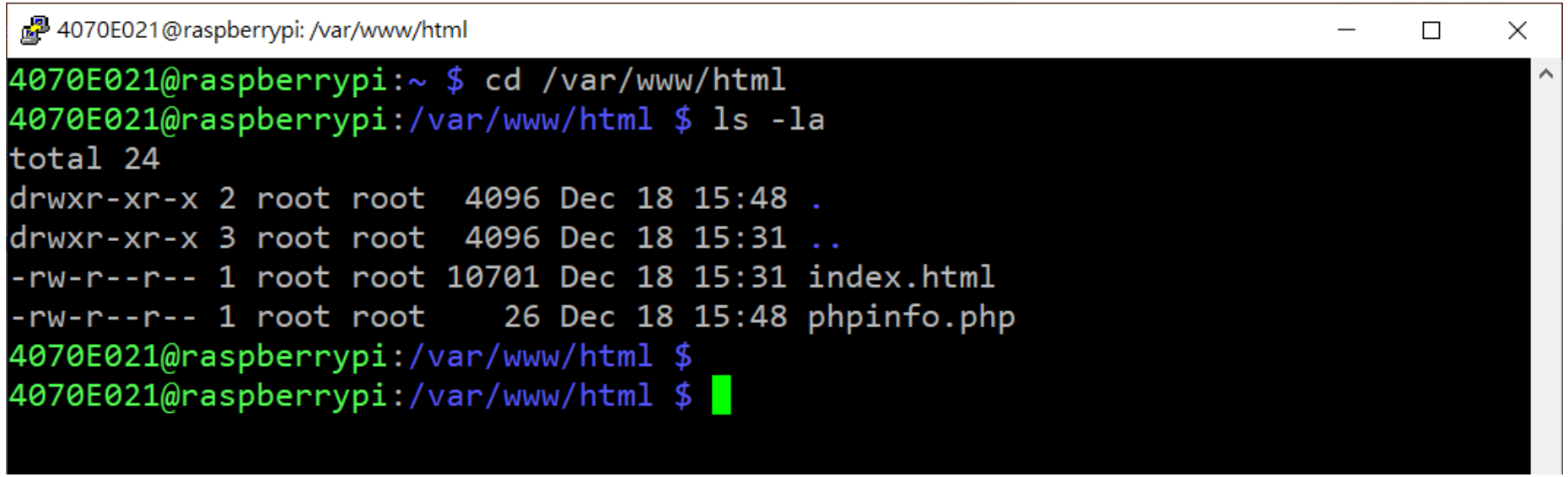
4.測試網頁伺服器


Apache2 Debian Default Page
192.168.2.180
Apache2 Debian Default Page
debian
It works!
This is the default welcome page used to test the correct operation of the Apache2 server after installation on Debian systems. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should replace this file (located at /var/www/html/index.html) before continuing to operate your HTTP server.
If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.
Configuration Overview
Debian's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Debian tools. The configuration system is fully documented in /usr/share/doc/apache2/README.Debian.gz. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the manual if the apache2-doc package was installed on this server.
The configuration layout for an Apache2 web server installation on Debian systems is as follows:
/etc/apache2/
|-- apache2.conf
| `-- ports.conf
|-- mods-enabled
| |-- *.load
| `-- *.conf
|-- conf-enabled
| `-- *.conf
|-- sites-enabled
| `-- *.conf
apache2.conf is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
ports.conf is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.

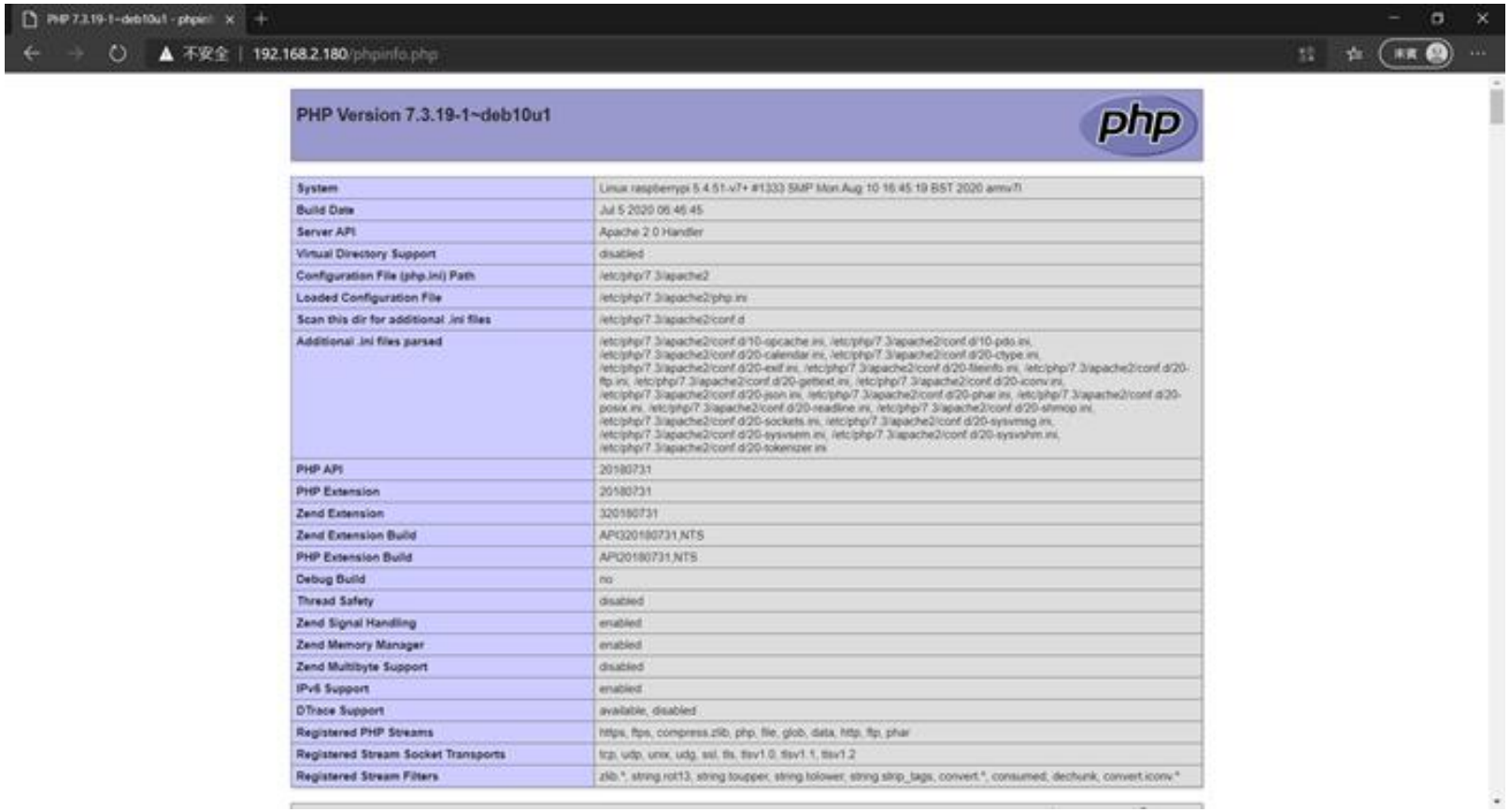
5.安裝php與apache的php模組



6.進入網頁根目錄並列出當前檔案



7.php測試網頁


192.168.2.180/phpinfo.php
PHP Version 7.3.19-1~deb10u1
php
System
Build Date
Server API
Virtual Directory Support
Configuration File (php.ini) Path
Loaded Configuration File
Scan this dir for additional .ini files
Additional .ini files parsed
PHP API
PHP Extension
Zend Extension
Zend Extension Build
PHP Extension Build
Debug Build
Thread Safety
Zend Signal Handling
Zend Memory Manager
Zend Multibyte Support
IPv6 Support
DTrace Support
Registered PHP Streams
Registered Stream Socket Transports
Registered Stream Filters