

라즈베리파이 OS 설치

SD Card 연결 후 라즈베리파이 전원 켜기

PC 에서 Raspberry pi 원격 연결: 동일한 와이파이 연결 필수

⇒ 각 단계 실행 화면 캡처

ip 찾기 (default hostname : raspberrypi.local)

ssh 접속 (default id/pwd : pi / raspberry)

=> 터미널 or putty 로 라즈베리파이 ssh 접속

```
youngkwanch@joyeong-gwan-ui-MacBookPro ~ % ping ykberry.local
PING ykberry.local (172.20.10.5): 56 data bytes
64 bytes from 172.20.10.5: icmp_seq=0 ttl=64 time=97.643 ms
64 bytes from 172.20.10.5: icmp_seq=1 ttl=64 time=5.714 ms
64 bytes from 172.20.10.5: icmp_seq=2 ttl=64 time=7.761 ms
64 bytes from 172.20.10.5: icmp_seq=3 ttl=64 time=9.380 ms
64 bytes from 172.20.10.5: icmp_seq=4 ttl=64 time=8.810 ms
64 bytes from 172.20.10.5: icmp_seq=5 ttl=64 time=7.589 ms
64 bytes from 172.20.10.5: icmp_seq=6 ttl=64 time=8.967 ms
^C

youngkwanch@joyeong-gwan-ui-MacBookPro ~ % ssh pi@172.20.10.5
The authenticity of host '172.20.10.5 (172.20.10.5)' can't be established.
ED25519 key fingerprint is SHA256:vP9HjE7C3kvVzYoCDmZJWMyuuP7A/CMwAcRzDI/PtvQ.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.20.10.5' (ED25519) to the list of known hosts.
pi@172.20.10.5's password:
Linux ykberry 5.15.32-v7+ #1538 SMP Thu Mar 31 19:38:48 BST 2022 armv7l

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Apr 4 21:06:44 2022
pi@ykberry:~ $
```

root 로그인

⇒ 명령어 실행 화면 캡처

```
pi@ykberry:~ $ sudo su -
root@ykberry:~#
```

nginx 설치

⇒ 명령어 실행 화면 캡처

```

root@ykberry:~# apt-get install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  geoip-database libgeoip1 libnginx-mod-http-geoip
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip libxslt1.1
  nginx-common nginx-core
Suggested packages:
  geoip-bin fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:

```

nginx 서비스 시작

⇒ 명령어 실행 화면 캡처

```

root@ykberry:~# service nginx start

```

웹서비스 홈디렉터리에 index.html 파일 생성(/var/www/html/index.html)

⇒ 명령어 실행 및 index.html 내용 화면 캡처

ssh 로 원격 접속하여 vim 으로 작성

```

root@ykberry:/var/www/html# cat index.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h1>안녕하세요 19학번 조영관입니다</h1>
  <h2>OSS 2분반</h2>
  <img src='https://cdn.pixabay.com/photo/2022/05/03/04/34/marseille-7170837_1280.jpg'>
</body>
</html>
root@ykberry:/var/www/html#

```

브라우저로 서비스 확인

⇒ 화면캡처

http://라즈베리파이 ip/

안녕하세요 19학번 조영관입니다

OSS 2분반

