

# mac 에서 프로젝트 설치

## 01 작업할 볼륨으로 옮기기

```
$ cd /Volumes/Work
```

## 02 회사 폴더 만들고 들어가기

```
$ mkdir ddtech  
$ cd ddtech
```

## 03 가상환경 만들고 들어가기

```
$ python3 -m venv ddtenv  
$ source ddtenv/bin/activate
```

## 04 프로젝트 폴더 만들고 확인하고 들어가기

```
(ddtenv) $ mkdir aegis  
(ddtenv) $ ls -l  
total 0  
drwxr-xr-x  2 graywolf  admin   64  1 11 13:48 aegis  
drwxr-xr-x  6 graywolf  admin  192  1 11 13:48 ddtenv  
(ddtenv) $ cd aegis
```

## 05 PIP 최신버전으로 업그레이드

```
(ddtenv) $ pip install --upgrade pip  
Collecting pip  
  Using cached https://files.pythonhosted.org/packages/c2/  
d7/90f34cb0d83a6c5631cf71dfe64cc1054598c843a92b400e55675cc2ac37/pip-18.1-py2.py3-none-any.whl  
Installing collected packages: pip  
  Found existing installation: pip 10.0.1  
    Uninstalling pip-10.0.1:  
      Successfully uninstalled pip-10.0.1  
Successfully installed pip-18.1
```

## 06 django 설치하기

```
(ddtenv) $ pip install django~=2.1  
Collecting django~=2.1  
  Using cached https://files.pythonhosted.org/packages/  
36/50/078a42b4e9bedb94efd3e0278c0eb71650ed9672cdc91bd5542953bec17f/Django-2.1.5-py3-none-any.whl  
Collecting pytz (from django~=2.1)  
  Using cached https://files.pythonhosted.org/packages/  
61/28/1d3920e4d1d50b19bc5d24398a7cd85cc7b9a75a490570d5a30c57622d34/pytz-2018.9-py2.py3-none-  
any.whl  
Installing collected packages: pytz, django  
Successfully installed django-2.1.5 pytz-2018.9
```

## 07 mysql 연결하기

```
(ddtenv) $ pip install mysqlclient  
Collecting mysqlclient  
.....  
Id: library not found for -lssl  
clang: error: linker command failed with exit code 1 (use -v to see invocation)  
error: command 'gcc' failed with exit status 1  
.....
```

## 071 위와 같이 ssl 링크에러가 발생하면 openssl 설치

```
(ddtenv) $ brew install openssl  
Updating Homebrew...  
==> Auto-updated Homebrew!  
Updated 1 tap (homebrew/core).  
==> New Formulae  
cryptominisat      libgusb             libvirt-glib       lsd                 needle              oxipng              simple-  
scan               spice-protocol  
==> Updated Formulae  
capstone           diff-pdf           fltk                fuseki              hexyl               jid                 mu                 pdfdoedn            php                 pyenv  
tor                youtube-dl
```

clamav      eccodes      fluid-synth      hbase      imagemagick      mongodb      opentsdb      pdftoipe  
poppler      tcpdump      weboob

Warning: openssl 1.0.2q is already installed and up-to-date  
To reinstall 1.0.2q, run `brew reinstall openssl`

## 072 ssl 경로 설정

```
(ddtenv) $ export LIBRARY_PATH=$LIBRARY_PATH:/usr/local/opt/openssl/lib/
```

## 073 mysql 연결하기

```
(ddtenv) $ pip install mysqlclient
```

Collecting mysqlclient

Using cached <https://files.pythonhosted.org/packages/f7/a2/1230ebbb4b91f42ad6b646e59eb8855559817ad5505d81c1ca2b5a216040/mysqlclient-1.3.14.tar.gz>

Installing collected packages: mysqlclient

Running setup.py install for mysqlclient ... done

Successfully installed mysqlclient-1.3.14

## 08 프로젝트 시작하기 (환경이 만들어짐)

```
(ddtenv) $ django-admin startproject config .
```

```
(ddtenv) $ tree ../aegis
```

```
../aegis
├── config
│   ├── __init__.py
│   ├── settings.py
│   ├── urls.py
│   └── wsgi.py
└── manage.py
```

1 directory, 5 files

## 081 config - setting 을 아래와 같이 수정

```
ALLOWED_HOSTS = ['127.0.0.1', '0.0.0.0']
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),
    }
}
LANGUAGE_CODE = 'ko'
TIME_ZONE = 'Asia/Seoul'
STATIC_URL = '/static/'
STATIC_ROOT = os.path.join(BASE_DIR, '/static')
```

## 082 DB 를 옮긴다. (모델이 없어서 특별히 하는건 없음.)

```
(ddtenv) $ python manage.py migrate
```

## 083 서버를 임시로 실행해서 잘 작동하는 확인한다.

```
(ddtenv) $ python manage.py runserver
```

```
(ddtenv) $ python manage.py runserver 0.0.0.0:8000
```

## 09 근로자 어플리케이션을 만든다.

```
(ddtenv) $ python manage.py startapp employee
```

```
(ddtenv) $ tree ../aegis
```

```
../aegis
├── config
│   ├── __init__.py
│   ├── __pycache__
│   │   ├── __init__.cpython-36.pyc
│   │   └── settings.cpython-36.pyc
│   ├── settings.py
│   ├── urls.py
│   └── wsgi.py
├── employee
│   └── __init__.py
```

```
urlpatterns = [
```

```

url(r'^admin/', admin.site.urls),
url(r'', include('knowledge.urls')),
]

```

### 111 어플리케이션 url 설정 ( knowledge/urls.py )

```

from django.conf.urls import url
from . import views

```

```

urlpatterns = [
    url(r'^$', views.post_list, name='post_list'),
]

```

### 112 url 추가 정보

<https://docs.djangoproject.com/en/1.11/topics/http/urls/>

### 12 view 만들기 ( blog/views.py )

```

from django.shortcuts import render
from django.utils import timezone
from .models import Post

```

```

def post_list(request):
    posts = Post.objects.filter(published_date__lte=timezone.now()).order_by('published_date')
    return render(request, 'blog/post_list.html', {})

```

### 12 HTML 만들기 (knowledge/templates/knowledge/post\_list.html )

```

<div>
    <h1><a href="/">유아이야기</a></h1>
</div>

```

```

{% for post in posts %}
    <div>
        <p>published: {{ post.published_date }}</p>
        <h1><a href="">{{ post.title }}</a></h1>
        <p>{{ post.text|linebreaksbr }}</p>
    </div>
{% endfor %}

```