These are the command for the follow along exercises in lesson 1.2

1.201 Installing and starting Django  
  
Commands  
# pip3 install virtualenvwrapper

# source /usr/local/bin/virtualenvwrapper.sh

# mkvirtualenv -p /usr/bin/python3 advanced\_web\_dev

# workon advanced\_web\_dev  
# python –version  
# pip freeze  
# pip install django==

# pip install django==3.0.3

# pip freeze

# cd topic1  
# django-admin startproject simplesite  
# cd simplesite  
# ls  
# ls simplesite

1.202 Django Application Layout

Commands

# workon advanced\_web\_dev

# cd topic1/simplesite  
# python manage.py startapp helloworld  
# cd helloworld

# ls  
  
1.204 Serving A First Web Page  
  
Commands

# workon advanced\_web\_dev  
# cd topic1/simplesite  
# python manage.py runserver 127.0.0.1:8080  
  
Open Browser Tab to /test/ to view

**Open models.py code:**  
  
class Hello(models.Model):

text = models.CharField(max\_length=200)  
  
**Open simplesite/urls.py**:  
  
from django.urls import include, path  
  
urlpatterns = [

path(‘’, include(‘helloworld.urls’)),

path(‘admin/’, admin.site.urls),

]  
 **Open helloworld/urls.py:**from django.urls import path  
from . import views

urlpatterns = [

path(‘’, views.index, name=’index’),

]

**Open helloworld/views.py:**

from .models import \*

def index(request):

response\_string = Hello.objects.all()[0]

return render(request, ‘helloworld/index.html’, {‘data’: response\_string})  
 **Open templates/helloworld/index.html:**

<html>

<head></head>

<body>  
 <p>{{ data.text }}</p>

</body>

</html>  
  
**Open simplesite/settings.py**

INSTALLED\_APPS = [

‘helloworld.apps.HelloworldConfig’,

…

]

**Commands:**

# python manage.py makemigrations  
# python manage.py migrate  
 **Open simplesite/helloworld/initial.json:**

[

{

“model”: “helloworld.Hello”,

“pk”: 1,

“fields”: {

“text”: “HELLO WORLD!”

}

}

]

**Commands:**# python manage.py loaddata initial.json

# python manage.py runserver 127.0.0.1:8080