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# USN: 01FM16MCA003

## Installing the django and python

hdadmin@mca14:~$ pip3 install django

Collecting django

Downloading https://files.pythonhosted.org/packages/44/e7/872bbf76aa16b7a061698d75325dac023285db33db4bda8ba8fe5d3bb356/Django-1.11.16-py2.py3-none-any.whl (7.0MB)

100% |████████████████████████████████| 7.0MB 195kB/s

Collecting pytz (from django)

Downloading https://files.pythonhosted.org/packages/f8/0e/2365ddc010afb3d79147f1dd544e5ee24bf4ece58ab99b16fbb465ce6dc0/pytz-2018.7-py2.py3-none-any.whl (506kB)

100% |████████████████████████████████| 512kB 550kB/s

Installing collected packages: pytz, django

Successfully installed django-1.11.16 pytz-2018.7

## 2. Checking the version of django

hdadmin@mca14:~$ django-admin --version

2.17

## 3 Creating the demo project

hdadmin@mca14:~$ django-admin startproject demo

hdadmin@mca14:~$ cd demo

hdadmin@mca14:~/demo$ ls

demo manage.py

hdadmin@mca14:~/demo$ cd demo/

hdadmin@mca14:~/demo/demo$ ls

\_\_init\_\_.py settings.py urls.py wsgi.py

## 4 Creating the hello app

hdadmin@mca14:~/demo$ python manage.py startapp hello

hdadmin@mca14:~/demo$ cd hello/

hdadmin@mca14:~/demo/hello$ ls

admin.py apps.py \_\_init\_\_.py migrations models.py tests.py views.py

hdadmin@mca14:~/demo$ cd demo/

hdadmin@mca14:~/demo/demo$ ls

\_\_init\_\_.py \_\_init\_\_.pyc settings.py settings.pyc urls.py wsgi.py

## 5. Moving to hello directory

hdadmin@mca14:~/demo$ cd hello/

hdadmin@mca14:~/demo/hello$ ls

admin.py admin.pyc apps.py \_\_init\_\_.py \_\_init\_\_.pyc migrations models.py models.pyc tests.py urls.py urls.pyc views.py views.pyc

## 6. gediting the views.py

# -\*- coding: utf-8 -\*-

from \_\_future\_\_ import unicode\_literals

from django.shortcuts import render

from django.http import HttpResponse

def index(request):

return HttpResponse("Hello World")

## 7. gediting the urls.py

from django.conf.urls import url

from . import views

urlpatterns = [

url(r'^$',views.index,name='index'),

]

## 8. Moving to demo directory

hdadmin@mca14:~/demo/hello$ cd ..

hdadmin@mca14:~/demo$ cd demo/

hdadmin@mca14:~/demo/demo$ ls

\_\_init\_\_.py \_\_init\_\_.pyc settings.py settings.pyc urls.py urls.pyc wsgi.py wsgi.pyc

## 9. gediting the urls.py

"""demo URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:

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

Examples:

Function views

1. Add an import: from my\_app import views

2. Add a URL to urlpatterns: url(r'^$', views.home, name='home')

Class-based views

1. Add an import: from other\_app.views import Home

2. Add a URL to urlpatterns: url(r'^$', Home.as\_view(), name='home')

Including another URLconf

1. Import the include() function: from django.conf.urls import url, include

2. Add a URL to urlpatterns: url(r'^blog/', include('blog.urls'))

"""

from django.conf.urls import url, include

from django.contrib import admin

urlpatterns = [

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

url(r'^hello/',include('hello.urls')),

]

## 10. gediting the settings.py

"""

Django settings for demo project.

Generated by 'django-admin startproject' using Django 1.11.16.

For more information on this file, see

https://docs.djangoproject.com/en/1.11/topics/settings/

For the full list of settings and their values, see

https://docs.djangoproject.com/en/1.11/ref/settings/

"""

import os

# Build paths inside the project like this: os.path.join(BASE\_DIR, ...)

BASE\_DIR = os.path.dirname(os.path.dirname(os.path.abspath(\_\_file\_\_)))

# Quick-start development settings - unsuitable for production

# See https://docs.djangoproject.com/en/1.11/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!

SECRET\_KEY = '8tga^zc\_u1h5w(qz0($o+(b^zcsb8)+w3ha)f=#9\_xg0lbzsz1'

# SECURITY WARNING: don't run with debug turned on in production!

DEBUG = True

ALLOWED\_HOSTS = []

# Application definition

INSTALLED\_APPS = [

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

'hello',

]

MIDDLEWARE = [

'django.middleware.security.SecurityMiddleware',

'django.contrib.sessions.middleware.SessionMiddleware',

'django.middleware.common.CommonMiddleware',

'django.middleware.csrf.CsrfViewMiddleware',

'django.contrib.auth.middleware.AuthenticationMiddleware',

'django.contrib.messages.middleware.MessageMiddleware',

'django.middleware.clickjacking.XFrameOptionsMiddleware',

]

ROOT\_URLCONF = 'demo.urls'

TEMPLATES = [

{

'BACKEND': 'django.template.backends.django.DjangoTemplates',

'DIRS': [],

'APP\_DIRS': True,

'OPTIONS': {

'context\_processors': [

'django.template.context\_processors.debug',

'django.template.context\_processors.request',

'django.contrib.auth.context\_processors.auth',

'django.contrib.messages.context\_processors.messages',

],

},

},

]

WSGI\_APPLICATION = 'demo.wsgi.application'

# Database

# https://docs.djangoproject.com/en/1.11/ref/settings/#databases

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.sqlite3',

'NAME': os.path.join(BASE\_DIR, 'db.sqlite3'),

}

}

# Password validation

# https://docs.djangoproject.com/en/1.11/ref/settings/#auth-password-validators

AUTH\_PASSWORD\_VALIDATORS = [

{

'NAME': 'django.contrib.auth.password\_validation.UserAttributeSimilarityValidator',

},

{

'NAME': 'django.contrib.auth.password\_validation.MinimumLengthValidator',

},

{

'NAME': 'django.contrib.auth.password\_validation.CommonPasswordValidator',

},

{

'NAME': 'django.contrib.auth.password\_validation.NumericPasswordValidator',

},

]

# Internationalization

# https://docs.djangoproject.com/en/1.11/topics/i18n/

LANGUAGE\_CODE = 'en-us'

TIME\_ZONE = 'UTC'

USE\_I18N = True

USE\_L10N = True

USE\_TZ = True

# Static files (CSS, JavaScript, Images)

# https://docs.djangoproject.com/en/1.11/howto/static-files/

STATIC\_URL = '/static/'

## 11. Start the run server

hdadmin@mca14:~/demo$ python manage.py runserver 8008

Performing system checks...

System check identified no issues (0 silenced).

You have 13 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.

Run 'python manage.py migrate' to apply them.

December 01, 2018 - 07:25:38

Django version 1.11.16, using settings 'demo.settings'

Starting development server at http://127.0.0.1:8008/

Quit the server with CONTROL-C.

## 12. Use the localhost:8008/hello/

Displays Hello World

