

javascript-common libjs-jquery python-django python-django-common

```
python-sqlparse python-tz
0 upgraded, 6 newly installed, 0 to remove and 25 not upgraded.
Need to get 2,638 kB of archives.
After this operation, 27.4 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-django-common
all 1:1.11.11-1ubuntu1.1 [1,521 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 python-tz all 2018.3-2 [31.6 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 python-django all
1:1.11.11-1ubuntu1.1 [899 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 javascript-common all 11 [6,066
B]
Get:5 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 libjs-jquery all 3.2.1-1 [152 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 python-sqlparse all 0.2.4-0.1 [28.0
kB]
Fetched 2,638 kB in 15s (176 kB/s)
Selecting previously unselected package python-django-common.
(Reading database ... 172309 files and directories currently installed.)
Preparing to unpack .../0-python-django-common_1%3a1.11.11-1ubuntu1.1_all.deb ...
Unpacking python-django-common (1:1.11.11-1ubuntu1.1) ...
Selecting previously unselected package python-tz.
Preparing to unpack .../1-python-tz_2018.3-2_all.deb ...
Unpacking python-tz (2018.3-2) ...
Selecting previously unselected package python-django.
Preparing to unpack .../2-python-django_1%3a1.11.11-1ubuntu1.1_all.deb ...
Unpacking python-django (1:1.11.11-1ubuntu1.1) ...
Selecting previously unselected package javascript-common.
Preparing to unpack .../3-javascript-common_11_all.deb ...
Unpacking javascript-common (11) ...
Selecting previously unselected package libjs-jquery.
Preparing to unpack .../4-libjs-jquery_3.2.1-1_all.deb ...
Unpacking libjs-jquery (3.2.1-1) ...
Selecting previously unselected package python-sqlparse.
Preparing to unpack .../5-python-sqlparse_0.2.4-0.1_all.deb ...
Unpacking python-sqlparse (0.2.4-0.1) ...
Setting up libjs-jquery (3.2.1-1) ...
Setting up python-sqlparse (0.2.4-0.1) ...
Setting up python-tz (2018.3-2) ...
Processing triggers for man-db (2.8.3-2) ...
Setting up javascript-common (11) ...
Setting up python-django-common (1:1.11.11-1ubuntu1.1) ...
Setting up python-django (1:1.11.11-1ubuntu1.1) ...
```

### 3. Checking python django version

```
hdadmin@mca54:~/demo$ python -m django --version  
1.11.16
```

### 4. Checking python django-admin version

```
hdadmin@mca54:~/demo$ django-admin --version  
1.11.16
```

### 5. Creating project Demoa

```
hdadmin@mca54:~/demo$ django-admin startproject demoa  
hdadmin@mca54:~/demo$ cd demoa  
hdadmin@mca54:~/demo/demoa$ ls  
demoa  manage.py  
hdadmin@mca54:~/demo/demoa$ cd demoa/  
hdadmin@mca54:~/demo/demoa/demoa$ ls  
__init__.py  settings.py  urls.py  wsgi.py  
hdadmin@mca54:~/demo/demoa/demoa$ cd ..  
hdadmin@mca54:~/demo/demoa$ cd ..  
hdadmin@mca54:~/demo$ cd demoa
```

### 6. Creating s hello startapp

```
hdadmin@mca54:~/demo/demoa$ python manage.py startapp hello  
hdadmin@mca54:~/demo/demoa$ cd hello/  
hdadmin@mca54:~/demo/demoa/hello$ ls  
admin.py  apps.py  __init__.py  migrations  models.py  tests.py  views.py
```

## 7. In hello editing View.py

```
hdadmin@mca54:~/demo/demola/hello$ gedit views.py
```

```
# -*- coding: utf-8 -*-
from __future__ import unicode_literals

from django.shortcuts import render

from django.http import HttpResponseRedirect

def index(request):
    return HttpResponseRedirect("Hello word")
```

## 8. In hello editing urls.py

```
hdadmin@mca54:~/demo/demola/hello$ gedit urls.py
```

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

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

## 9. Come back to hello

```
hdadmin@mca54:~/demo/demola/hello$ cd ..
hdadmin@mca54:~/demo/demola$ ls
demola  hello  manage.py
```

8.Back to demola project

```
hdadmin@mca54:~/demo/demola$ cd demola/
hdadmin@mca54:~/demo/demola/demola$ ls
__init__.py __init__.pyc settings.py settings.pyc urls.py wsgi.py
```

## 10. In demoa editing urls.py

```
hdadmin@mca54:~/demo/demoa/demoa$ gedit urls.py
"""demoa 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')),
]
```

## 11. In demoa editing settings.py

```
hdadmin@mca54:~/demo/demoa/demoa$ gedit settings.py
"""
```

Django settings for demoa 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 = 't(f&l%l1n@@1nbsccn29qk**vyh557_cehbylhx_8xt3gfk@*0'

# 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 = 'demoa.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 = 'demoa.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/
```

```
hdadmin@mca27:~/demo/demoa/demoa$ cd ..
```

## 12. Running the server

```
hdadmin@mca54:~/demo/demoa$ python manage.py runserver 8018  
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 - 06:36:20

Django version 1.11.16, using settings 'demoa.settings'

Starting development server at <http://127.0.0.1:8018/>

Quit the server with CONTROL-C.

Not Found: /

[01/Dec/2018 06:36:29] "GET / HTTP/1.1" 404 2017

Not Found: /favicon.ico

[01/Dec/2018 06:36:29] "GET /favicon.ico HTTP/1.1" 404 2068

Not Found: /favicon.ico

[01/Dec/2018 06:36:29] "GET /favicon.ico HTTP/1.1" 404 2068

[01/Dec/2018 06:37:24] "GET /hello/ HTTP/1.1" 200 10

Not Found: /favicon.ico

[01/Dec/2018 06:37:24] "GET /favicon.ico HTTP/1.1" 404 2068



