**NAME: VENKATESH L CHAKRAVARTI Date:01.12.2018**

**Assignment: 01**

**USN: 01FM16MCA057**

1. **COMMANDS FOR INSTALLING DJANGO**

hdadmin@mca43:~$ pip install django

Collecting django

Downloading [https://files.pythonhosted.org/packages/43/e7/872bbf76aa16b7a061698d75325dac023285db33db4bda8ba8fe5d3bb356/Django-1.11.16-py2.py3-none-any.whl](https://files.pythonhosted.org/packages/44/e7/872bbf76aa16b7a061698d75325dac023285db33db4bda8ba8fe5d3bb356/Django-1.11.16-py2.py3-none-any.whl) (7.0MB)

100% |████████████████████████████████| 7.0MB 177kB/s

Collecting pytz (from django)

Downloading [https://files.pythonhosted.org/packages/f8/0e/2365ddc010afb3d79147f1dd543e5ee24bf4ece58ab99b16fbb465ce6dc0/pytz-2018.7-py2.py3-none-any.whl](https://files.pythonhosted.org/packages/f8/0e/2365ddc010afb3d79147f1dd544e5ee24bf4ece58ab99b16fbb465ce6dc0/pytz-2018.7-py2.py3-none-any.whl) (506kB)

100% |████████████████████████████████| 512kB 541kB/s

Installing collected packages: pytz, django

Successfully installed django-1.11.16 pytz-2018.7

1. **Installing python-django**

hdadmin@mca43:~$ sudo apt-get install python-django

[sudo] password for hdadmin:

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

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

python-tz

Suggested packages:

apache2 | lighttpd | httpd bpython geoip-database-extra

| geoip-database-contrib ipython libgdal1 python-bcrypt python-django-doc

python-flup python-memcache python-pil python-psycopg2 python-pymysql

python-sqlite python-yaml python-sqlparse-doc

The following NEW packages will be installed:

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](http://in.archive.ubuntu.com/ubuntu%20bionic-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](http://in.archive.ubuntu.com/ubuntu%20bionic/main) amd64 python-tz all 2018.3-2 [31.6 kB]

Get:3 [http://in.archive.ubuntu.com/ubuntu bionic-updates/main](http://in.archive.ubuntu.com/ubuntu%20bionic-updates/main) amd64 python-django all 1:1.11.11-1ubuntu1.1 [899 kB]

Get:4 [http://in.archive.ubuntu.com/ubuntu bionic/main](http://in.archive.ubuntu.com/ubuntu%20bionic/main) amd64 javascript-common all 11 [6,066 B]

Get:5 [http://in.archive.ubuntu.com/ubuntu bionic/main](http://in.archive.ubuntu.com/ubuntu%20bionic/main) amd64 libjs-jquery all 3.2.1-1 [152 kB]

Get:6 [http://in.archive.ubuntu.com/ubuntu bionic/main](http://in.archive.ubuntu.com/ubuntu%20bionic/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@mca43:~/demo$ python -m django --version

1.11.16

**4.Checking python django-admin version**

hdadmin@mca43:~/demo$ django-admin --version

1.11.16

**5. Creating project Demoa**

hdadmin@mca43:~/demo$ django-admin startproject demoa

hdadmin@mca43:~/demo$ cd demoa

hdadmin@mca43:~/demo/demoa$ ls

demoa manage.py

hdadmin@mca43:~/demo/demoa$ cd demoa/

hdadmin@mca43:~/demo/demoa/demoa$ ls

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

hdadmin@mca43:~/demo/demoa/demoa$ cd ..

hdadmin@mca43:~/demo/demoa$ cd ..

hdadmin@mca43:~/demo$ cd demoa

**6. Creating s hello startapp**

hdadmin@mca43:~/demo/demoa$ python manage.py startapp hello

hdadmin@mca43:~/demo/demoa$ cd hello/

hdadmin@mca43:~/demo/demoa/hello$ ls

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

**7. In hello editing View.py**

hdadmin@mca43:~/demo/demoa/hello$ gedit 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 word")

**8. In hello editing urls.py**

hdadmin@mca43:~/demo/demoa/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@mca43:~/demo/demoa/hello$ cd ..

hdadmin@mca43:~/demo/demoa$ ls

demoa hello manage.py

8.Back to demoa project

hdadmin@mca43:~/demo/demoa$ cd demoa/

hdadmin@mca43:~/demo/demoa/demoa$ ls

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

**10. In demoa editing urls.py**

hdadmin@mca43:~/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 setting.py**

hdadmin@mca43:~/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@mca43:~/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

