

# **REPORT WEEK 5**

**SUBMITTED BY:**

HIMANSHI VARSHNEY (18COB454)

SALONI GARG (18COB466)

**SUPERVISOR:**

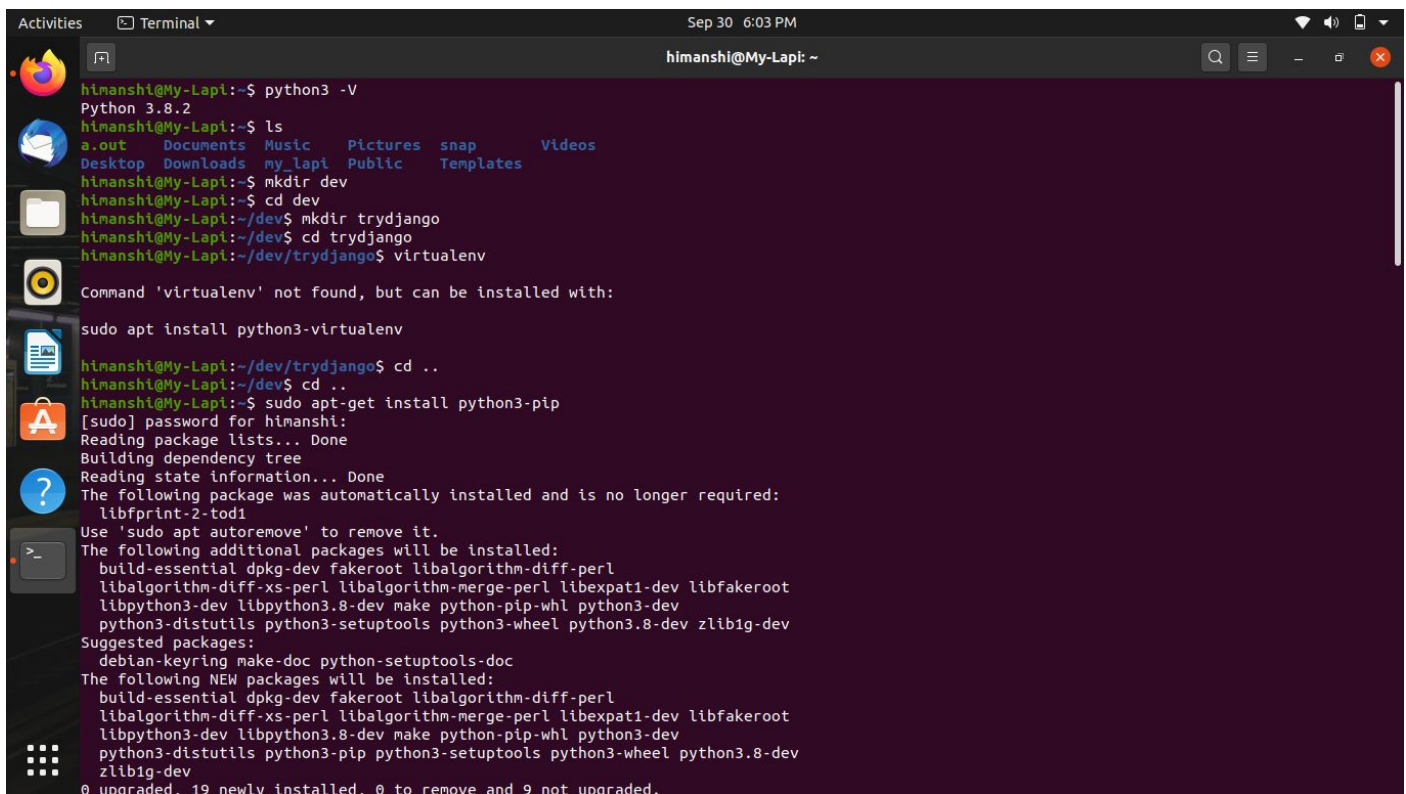
MR. FAISAL ALAM

Since we are implementing our project in the django framework. So, this week we have read the django documentation.

- <https://www.digitalocean.com/community/tutorials/how-to-install-the-django-web-framework-on-ubuntu-16-04>
- <https://docs.djangoproject.com/en/3.1/>

Apart from reading the documentation we have also set up the django in our system as shown in the following screenshots.

- We have installed pip from the ubuntu repositories using version3 of python as shown in the screenshot below.



```
himanshi@My-Lapi: ~  
himanshi@My-Lapi:~$ python3 -V  
Python 3.8.2  
himanshi@My-Lapi:~$ ls  
a.out  Documents  Music  Pictures  snap  Videos  
Desktop  Downloads  my_lapi  Public  Templates  
himanshi@My-Lapi:~$ mkdir dev  
himanshi@My-Lapi:~$ cd dev  
himanshi@My-Lapi:~/dev$ mkdir trydjango  
himanshi@My-Lapi:~/dev$ cd trydjango  
himanshi@My-Lapi:~/dev/trydjango$ virtualenv  
Command 'virtualenv' not found, but can be installed with:  
  
sudo apt install python3-virtualenv  
  
himanshi@My-Lapi:~/dev/trydjango$ cd ..  
himanshi@My-Lapi:~/dev$ cd ..  
himanshi@My-Lapi:~$ sudo apt-get install python3-pip  
[sudo] password for himanshi:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following package was automatically installed and is no longer required:  
  libfprint-2-tod1  
Use 'sudo apt autoremove' to remove it.  
The following additional packages will be installed:  
  build-essential dpkg-dev fakeroot libalgorithm-diff-perl  
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libexpat1-dev libfakeroot  
  libpython3-dev libpython3.8-dev make python-pip-whl python3-dev  
  python3-distutils python3-setuptools python3-wheel python3.8-dev zlib1g-dev  
Suggested packages:  
  debian-keyring make-doc python-setuptools-doc  
The following NEW packages will be installed:  
  build-essential dpkg-dev fakeroot libalgorithm-diff-perl  
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libexpat1-dev libfakeroot  
  libpython3-dev libpython3.8-dev make python-pip-whl python3-dev  
  python3-distutils python3-pip python3-setuptools python3-wheel python3.8-dev  
  zlib1g-dev  
0 upgraded, 19 newly installed, 0 to remove and 9 not upgraded.
```

- Then we have installed the virtualenv package using the Python3 version of pip and activated the created virtualenv as shown in below screenshots.

```

Activities Terminal Sep 30 6:04 PM himanshi@My-Lapt: ~
Unpacking python3-pip (20.0.2-5ubuntu1) ...
Setting up python3-distutils (3.8.2-1ubuntu1) ...
Setting up python3-setuptools (45.2.0-1) ...
Setting up libalgorithm-diff-perl (1.19.03-2) ...
Setting up python3-wheel (0.34.2-1) ...
Setting up libfakeroot:amd64 (1.24-1) ...
Setting up fakeroot (1.24-1) ...
update-alternatives: using /usr/bin/fakeroot-sysv to provide /usr/bin/fakeroot (fakeroot) in auto mode
Setting up libxpat1-dev:amd64 (2.2.9-1build1) ...
Setting up libpython3.8-dev:amd64 (3.8.2-1ubuntu1.2) ...
Setting up make (4.2.1-1.2) ...
Setting up zlib1g-dev:amd64 (1:1.2.11.dfsg-2ubuntu1) ...
Setting up python-pip-whl (20.0.2-5ubuntu1) ...
Setting up libalgorithm-diff-xs-perl (0.04-6) ...
Setting up libalgorithm-merge-perl (0.08-3) ...
Setting up libpython3-dev:amd64 (3.8.2-0ubuntu2) ...
Setting up dpkg-dev (1.19.7ubuntu3) ...
Setting up python3-pip (20.0.2-5ubuntu1) ...
Setting up python3.8-dev (3.8.2-1ubuntu1.2) ...
Setting up build-essential (12.8ubuntu1) ...
Setting up python3-dev (3.8.2-0ubuntu2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.1) ...
himanshi@My-Lapt:~$ sudo pip3 install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.0.31-py2.py3-none-any.whl (4.9 MB)
    | 4.9 MB 478 kB/s
Collecting distlib<1,>=0.3.1
  Downloading distlib-0.3.1-py2.py3-none-any.whl (335 kB)
    | 335 kB 1.7 MB/s
Requirement already satisfied: six<2,>=1.9.0 in /usr/lib/python3/dist-packages (from virtualenv) (1.14.0)
Collecting filelock<4,>=3.0.0
  Downloading filelock-3.0.12-py3-none-any.whl (7.6 kB)
Collecting appdirs<2,>=1.4.3
  Downloading appdirs-1.4.4-py2.py3-none-any.whl (9.6 kB)
Installing collected packages: distlib, filelock, appdirs, virtualenv
Successfully installed appdirs-1.4.4 distlib-0.3.1 filelock-3.0.12 virtualenv-20.0.31
himanshi@My-Lapt:~$

```

```

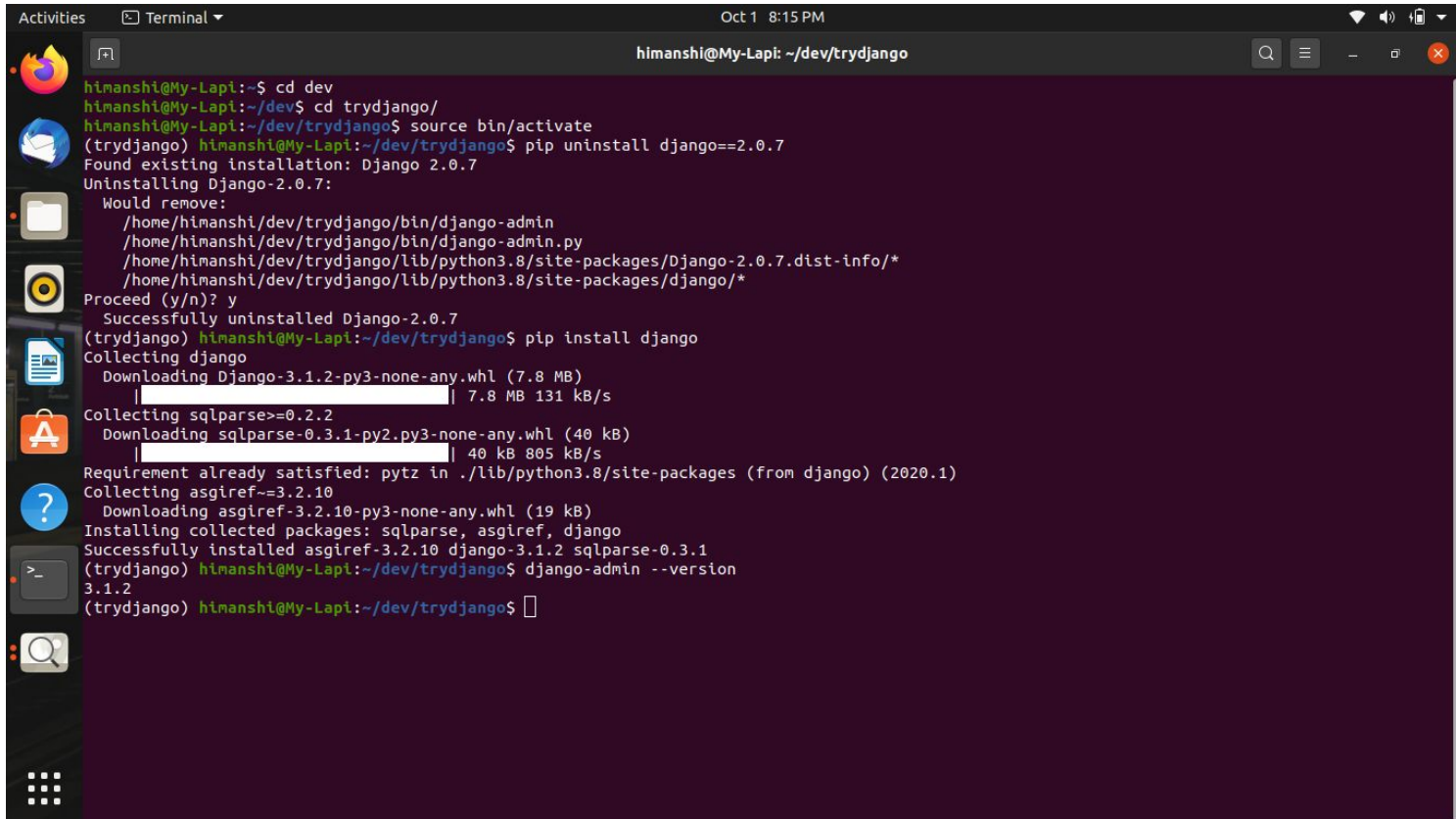
Activities Terminal Sep 30 6:08 PM himanshi@My-Lapt: ~/dev/trydjango
Command 'abc' not found, did you mean:
  command 'aec' from deb libaec-tools (1.0.4-1)
  command 'ab' from deb apache2-utils (2.4.41-4ubuntu3.1)
  command 'arc' from deb arc (5.21q-6)
  command 'arc' from deb arcanist (0-git20190207-1)
  command 'abx' from deb abx (0.0-b1-1build1)
  command 'bc' from deb bc (1.07.1-2build1)
  command 'cbc' from deb coinor-cbc (2.10.3+repack1-1build1)
  command 'atc' from deb bsdgames (2.17-28build1)
  command 'ac' from deb acct (6.6.4-2)
  command 'abe' from deb abe (1.1+dfsg-3)
  command 'ajc' from deb aspectj (1.9.2-1)
  command 'asc' from deb asc (2.6.1.0-6build4)
  command 'nbc' from deb nbc (1.2.1.r4+dfsg-9)
  command 'axc' from deb afnix (2.9.2-2build1)

Try: sudo apt install <deb name>
himanshi@My-Lapt:~/dev/trydjango$ python -V
Command 'python' not found, did you mean:
  command 'python3' from deb python3
  command 'python' from deb python-is-python3

himanshi@My-Lapt:~/dev/trydjango$ python3 -V
Python 3.8.2
himanshi@My-Lapt:~/dev/trydjango$ ls
himanshi@My-Lapt:~/dev/trydjango$ virtualenv -p python3 .
created virtual environment CPython3.8.2.final.0-64 in 1055ms
creator CPython3Posix(dest=/home/himanshi/dev/trydjango, clear=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/home/himanshi/.local/share/virtualenv)
added seed packages: pip==20.2.2, setuptools==49.6.0, wheel==0.35.1
activators BashActivator,CShellActivator,FishActivator,PowerShellActivator,PythonActivator,XonshActivator
himanshi@My-Lapt:~/dev/trydjango$ source bin/activate
(trydjango) himanshi@My-Lapt:~/dev/trydjango$

```

- Then we have installed the django framework of the latest version in the created virtualenv using Python3 version of pip as shown below in the screenshot.



```
himanshi@My-Lapi: ~/dev/trydjango
himanshi@My-Lapi:~$ cd dev
himanshi@My-Lapi:~/dev$ cd trydjango/
himanshi@My-Lapi:~/dev/trydjango$ source bin/activate
(trydjango) himanshi@My-Lapi:~/dev/trydjango$ pip uninstall django==2.0.7
Found existing installation: Django 2.0.7
Uninstalling Django-2.0.7:
  Would remove:
    /home/himanshi/dev/trydjango/bin/django-admin
    /home/himanshi/dev/trydjango/bin/django-admin.py
    /home/himanshi/dev/trydjango/lib/python3.8/site-packages/Django-2.0.7.dist-info/*
    /home/himanshi/dev/trydjango/lib/python3.8/site-packages/django/*
Proceed (y/n)? y
Successfully uninstalled Django-2.0.7
(trydjango) himanshi@My-Lapi:~/dev/trydjango$ pip install django
Collecting django
  Downloading Django-3.1.2-py3-none-any.whl (7.8 MB)
    | 7.8 MB 131 kB/s
Collecting sqlparse>=0.2.2
  Downloading sqlparse-0.3.1-py2.py3-none-any.whl (40 kB)
    | 40 kB 805 kB/s
Requirement already satisfied: pytz in ./lib/python3.8/site-packages (from django) (2020.1)
Collecting asgiref~=3.2.10
  Downloading asgiref-3.2.10-py3-none-any.whl (19 kB)
Installing collected packages: sqlparse, asgiref, django
Successfully installed asgiref-3.2.10 django-3.1.2 sqlparse-0.3.1
(trydjango) himanshi@My-Lapi:~/dev/trydjango$ django-admin --version
3.1.2
(trydjango) himanshi@My-Lapi:~/dev/trydjango$
```

- The below screenshot shows that django has been installed successfully.

