

### pip3

```
sudo apt install python3-pip
```

```
pip3 --version
```

### virtualenv

```
sudo apt-get install python-virtualenv
```

```
virtualenv
```

```
pip3 install virtualenv
```

```
virtualenv -p python3 envgv1
```

```
source bin/activate
```

```
deactivate
```

### django

```
git clone git://github.com/django/django  
django-dev
```

```
pip3 install -e django-dev
```

```
django-admin --version
```

```
django-admin startproject proyect
```

```
python manage.py createsuperuser
```

```
python manage.py startapp name
```

```
python manage.py runserver
```

```
pip install -r requirements.txt
```

```
python manage.py shell
```

```
python manage.py collectstatic
```

### django-database

```
python manage.py makemigrations
```

```
python manage.py migrate
```

### django-leaflet

```
pip3 install django-leaflet
```

```
python manage.py ogrinspect rute.shp --  
mapping --multi --srid=4326
```

### bower and collecstatic

```
pip3 install django-bower
```

```
rpm install -g bower
```

```
python manage.py bower install
```

```
pip install django-staticfiles
```

```
python manage.py collectstatic
```

### grappelli

```
pip install django-grappelli
```

```
pip install django-grappelli-extras
```

### database django

```
pip install psycopg2
```

```
pip install psycopg2-binary
```

### git

```
git init
```

```
git clone /path/repository
```

```
git clone username@host:/path/repository
```

```
git add filename
```

```
git add
```

```
git commit -m "message"
```

```
git push origin master
```

```
git remote add origin server
```

```
git checkout -b rama (create rama)
```

```
git checkout master
```

```
git branch -d rama (delete rama)
```

```
git push origin rama
```

```
git pull
```

```
git merge rama
```

```
git diff source_rama target_rama
```

```
git tag 1.0.0 1b2e1
```

```
git log
```

```
git checkout -- filename
```

```
git fetch origin
```

```
git reset --hard origin/master
```

```
gitk
```

```
git config color.ui true
```

```
git config format.pretty oneline
```

```
git add -i
```



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