## PythonDjango in docker

Step 1:- Create an EC2 instance Ports:22, 8001

Step 2:- Connect to EC2 instance

Step 3:- Install Docker Engine latest version
<a href="https://docs.docker.com/engine/install/ubuntu/">https://docs.docker.com/engine/install/ubuntu/</a> (for ubuntu)

## Step 4:- Create dockerfile

```
FROM ubuntu:22.04
LABEL engg="pratik"
USER root
RUN apt update
RUN apt install -y python3 python3-pip git
RUN pip install virtualenv
RUN mkdir envs
RUN virtualenv ./envs/
RUN . envs/bin/activate
RUN git clone https://github.com/PratikBorge/simple-django-project.git
WORKDIR /simple-django-project/
RUN apt-get install -y python3-dev default-libmysqlclient-dev libxml2-dev libxslt1-dev build-
essential libffi-dev
RUN pip install -r requirements.txt
RUN pip install mysql-connector-python
RUN pip install django==3.2 django-haystack==3.0
RUN /usr/bin/python3 manage.py makemigrations
RUN /usr/bin/python3 manage.py migrate
EXPOSE 8001
CMD ["/usr/bin/python3", "manage.py", "runserver", "0.0.0.0:8001"]
```

## Step 5:- Build image from dockerfile

Step 6:- Create container from image

## docker run -d -p 8001:8001 <imageID>

Step 7:- Copy instanceIP with port\_number and paste into browser

