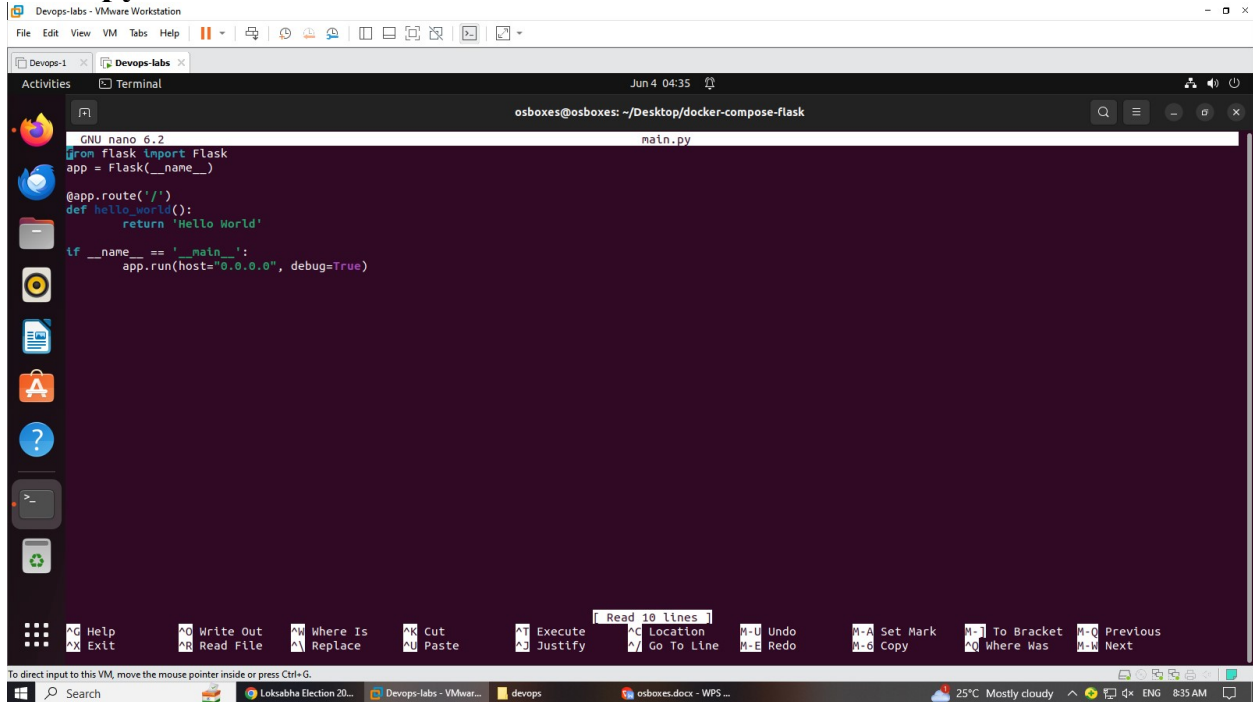


Python-Example Using Docker-Compose

Main.py



The screenshot shows a terminal window titled "osboxes@osboxes: ~/Desktop/docker-compose-flask" with the file "main.py" open in nano 6.2. The code is as follows:

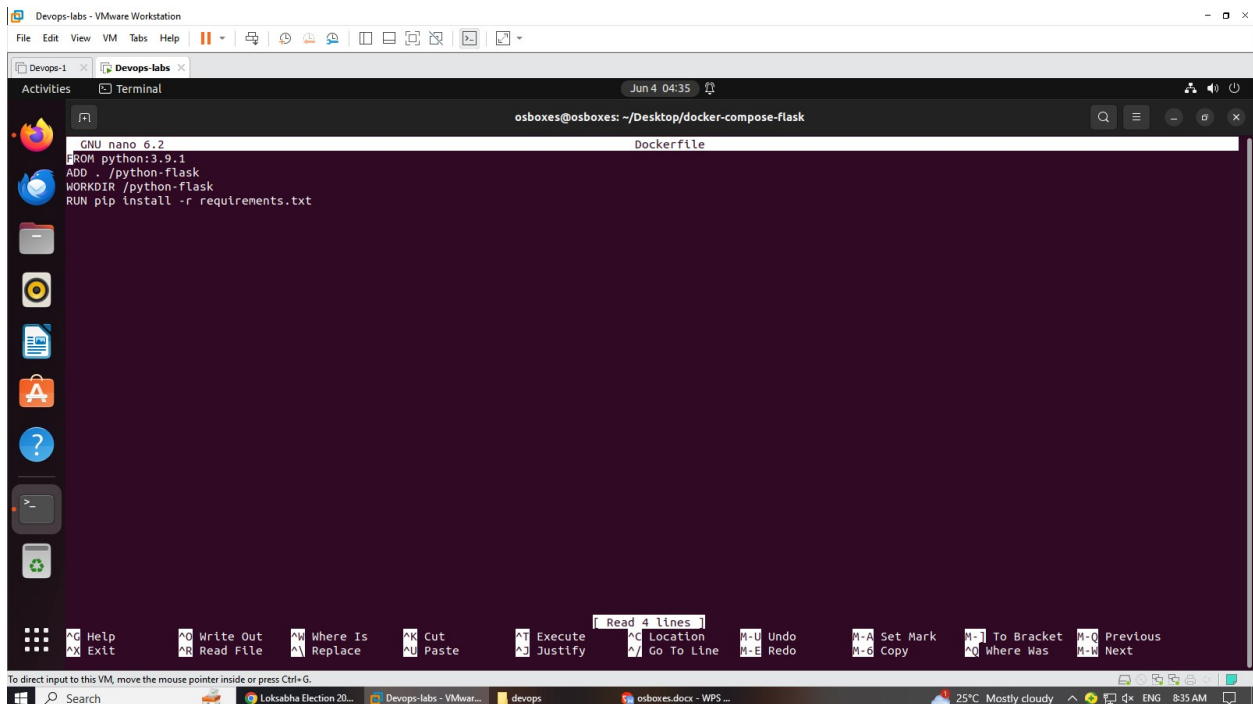
```
from flask import Flask
app = Flask(__name__)

@app.route('/')
def hello_world():
    return 'Hello World'

if __name__ == '__main__':
    app.run(host="0.0.0.0", debug=True)
```

The terminal window includes a sidebar with application icons and a bottom status bar showing system information like temperature and time.

nano Dockerfile

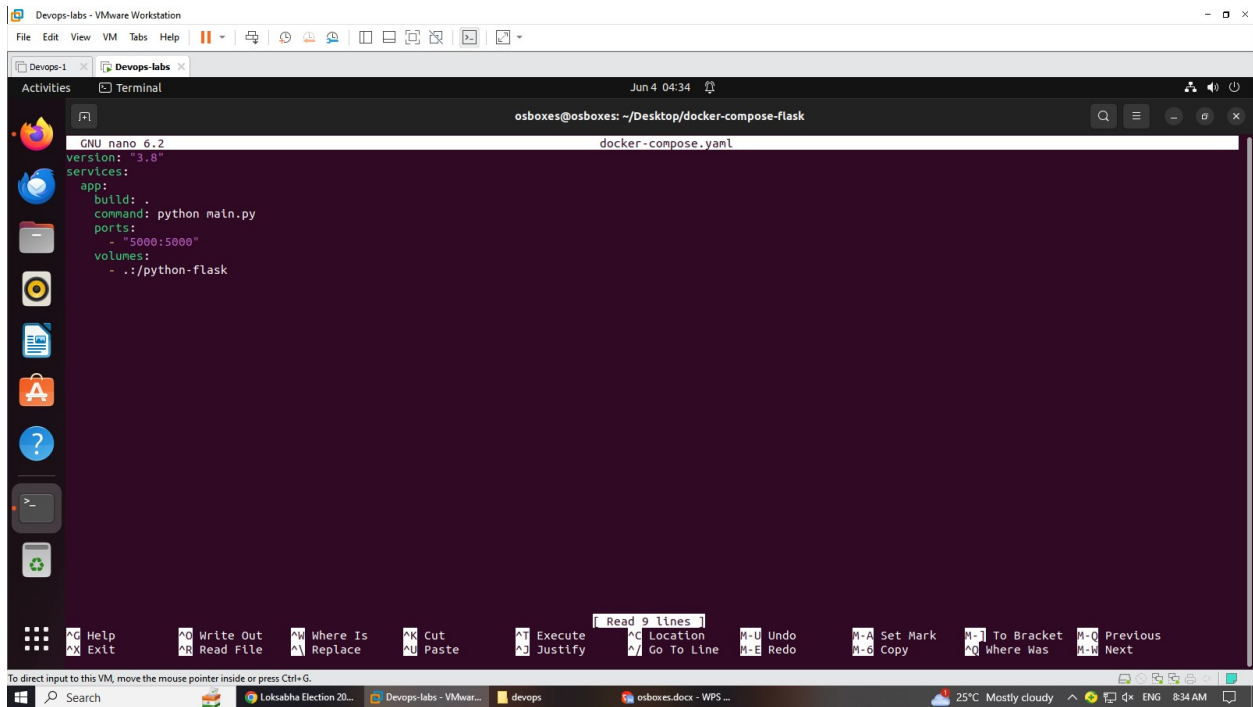


The screenshot shows a terminal window titled "osboxes@osboxes: ~/Desktop/docker-compose-flask" with the file "Dockerfile" open in nano 6.2. The code is as follows:

```
FROM python:3.9.1
ADD . /python-flask
WORKDIR /python-flask
RUN pip install -r requirements.txt
```

The terminal window includes a sidebar with application icons and a bottom status bar showing system information like temperature and time.

nano docker-compose.yaml

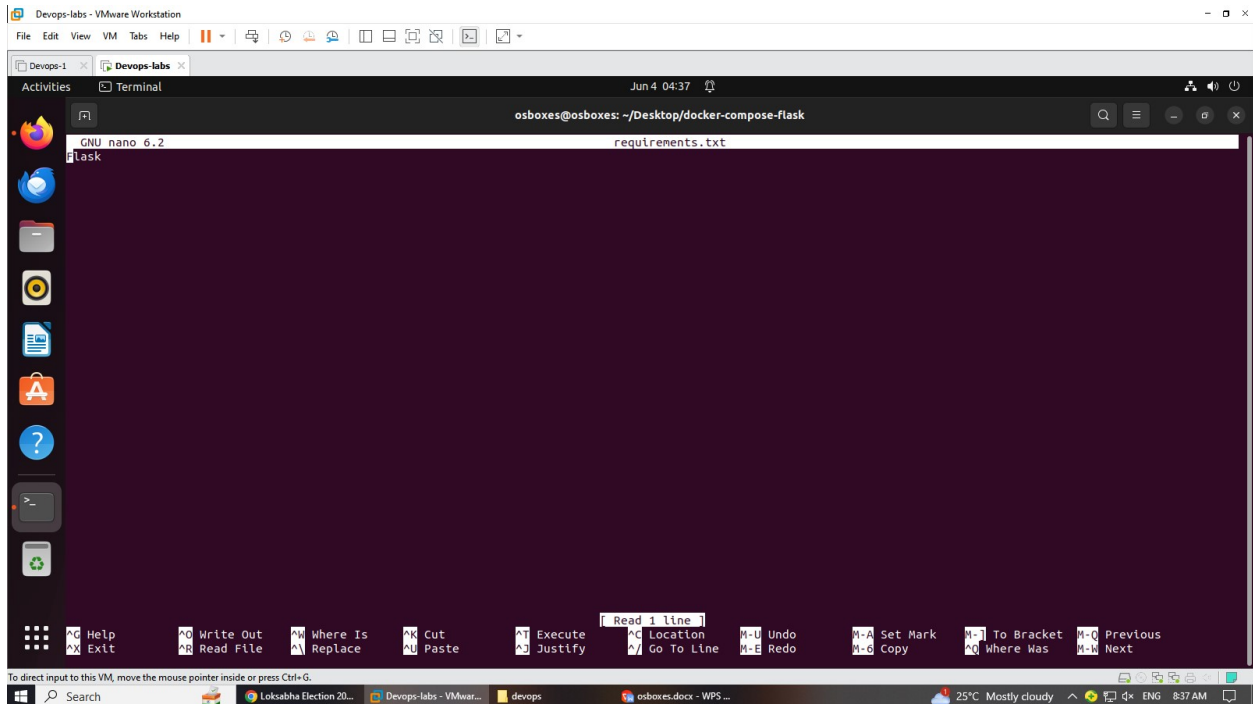


The screenshot shows a terminal window titled "osboxes@osboxes: ~/Desktop/docker-compose-flask" running the nano editor. The file being edited is "docker-compose.yaml". The content of the file is as follows:

```
version: "3.8"
services:
  app:
    build: .
    command: python main.py
    ports:
      - "5000:5000"
    volumes:
      - ../python-flask
```

The terminal window includes a menu bar with options like File, Edit, View, VM, Tabs, and Help. A status bar at the bottom indicates the current line and column, and provides keyboard shortcuts for various editing actions.

Nano requirements.txt



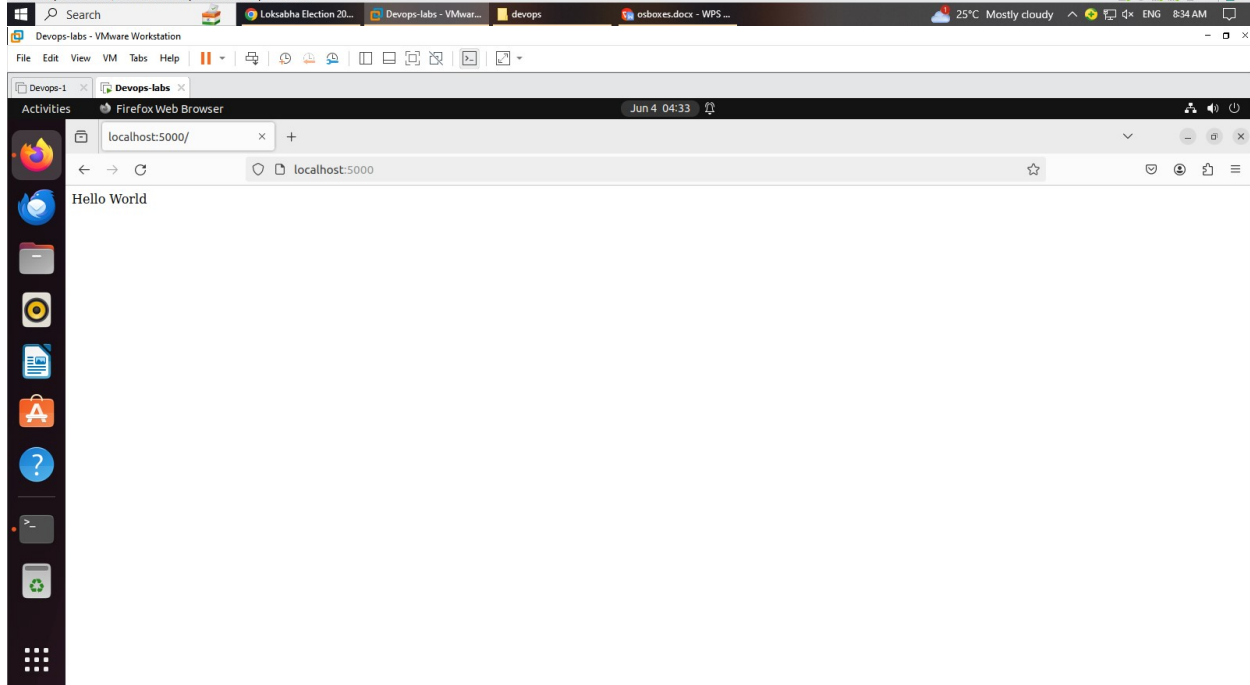
The screenshot shows a terminal window titled "osboxes@osboxes: ~/Desktop/docker-compose-flask" running the nano editor. The file being edited is "requirements.txt". The content of the file is as follows:

```
flask
```

The terminal window includes a menu bar with options like File, Edit, View, VM, Tabs, and Help. A status bar at the bottom indicates the current line and column, and provides keyboard shortcuts for various editing actions.

```
Devops-labs - VMware Workstation
File Edit View VM Tabs Help
Devops-1 Devops-labs
Activities Terminal Jun 4 04:34
osboxes@osboxes: ~/Desktop/docker-compose-flask
osboxes@osboxes:~/Desktop$ mkdir docker-compose-flask
osboxes@osboxes:~/Desktop$ cd docker-compose-
bash: cd: docker-compose-: No such file or directory
osboxes@osboxes:~/Desktop$ cd docker-compose-flask/
osboxes@osboxes:~/Desktop/docker-compose-flask$ nano main.py
osboxes@osboxes:~/Desktop/docker-compose-flask$ nano docker-compose.yaml
osboxes@osboxes:~/Desktop/docker-compose-flask$ nano Dockerfile
osboxes@osboxes:~/Desktop/docker-compose-flask$ nano requirements.txt
osboxes@osboxes:~/Desktop/docker-compose-flask$ sudo docker compose up
[sudo] password for osboxes:
docker: 'compose' is not a docker command.
See 'docker --help'
osboxes@osboxes:~/Desktop/docker-compose-flask$ sudo docker-compose up
Creating network 'docker-compose-flask_default' with the default driver
Building app
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 5.12kB
Step 1/4 : FROM python:3.9.1
3.9.1: Pulling from library/python
0ecb575e629c: Pull complete
7467d1831b69: Pull complete
feab2c490a3c: Pull complete
f15a0f46f8c3: Pull complete
937782447ff6: Pull complete
e78b7aaaaab2c: Pull complete
06c4d8634a1a: Pull complete
42b6a6cd161: Pull complete
f7fc0748368d: Pull complete
Digest: sha256:ca8bd3c91af8b12c2d042ade99f7c8f578a9f80a0dbbd12ed261eeba96dd632f
Status: Downloaded newer image for python:3.9.1
--> 2a93c239d591
Step 2/4 : ADD ./python-flask
--> 702ebb81a0e8
Step 3/4 : WORKDIR /python-flask
--> Running in 78b9e0ecb16a
```

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.



To direct input to this VM, move the mouse pointer inside or press Ctrl+G.