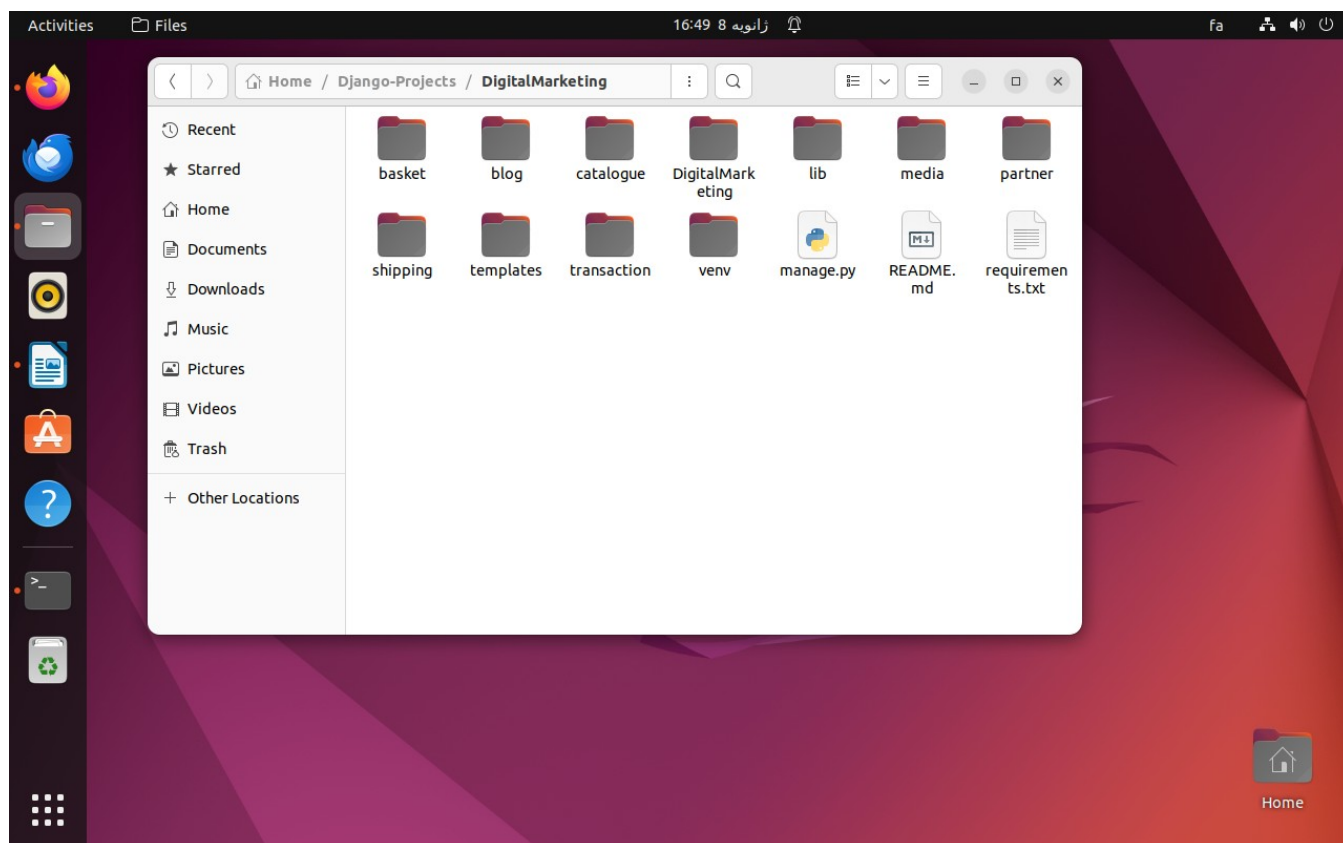
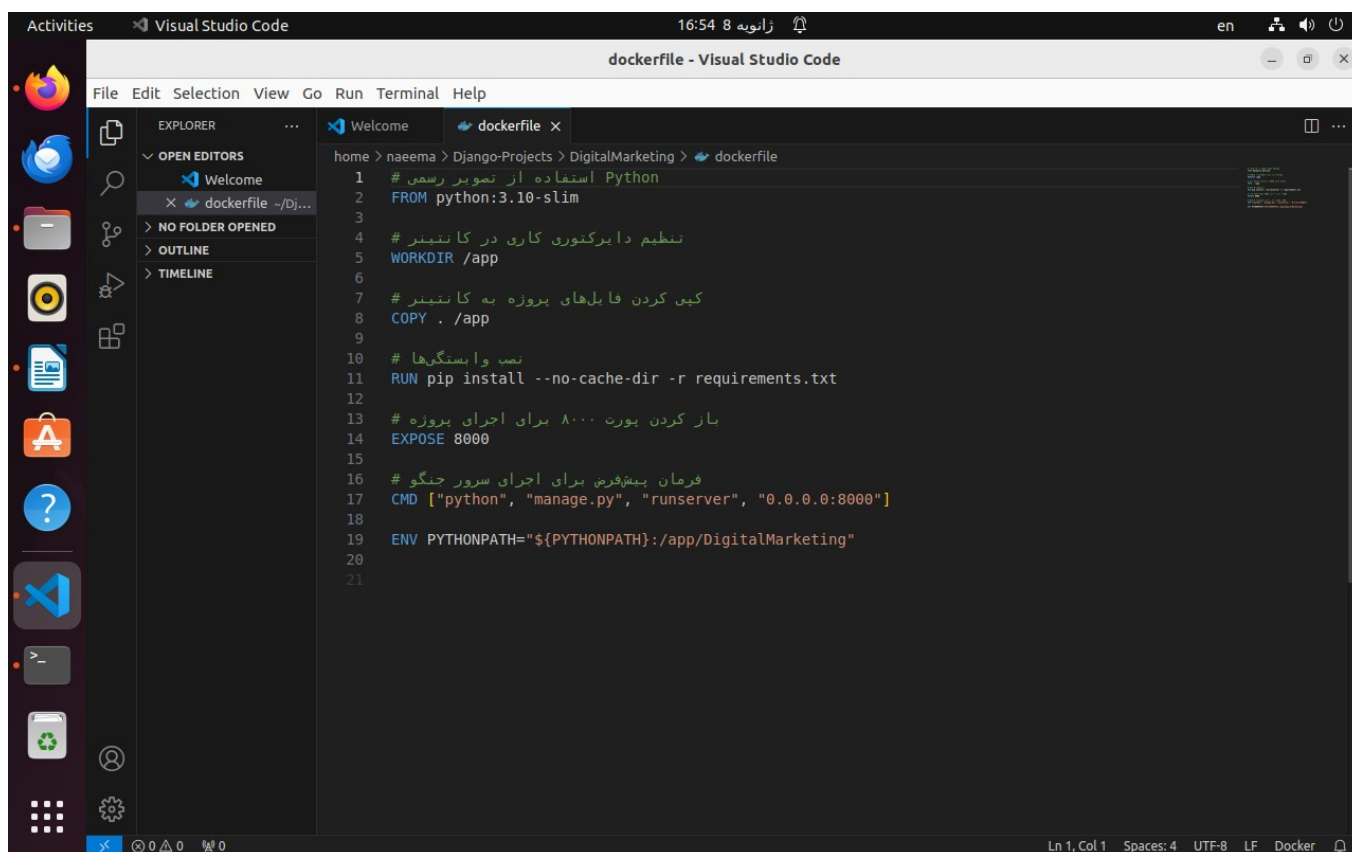


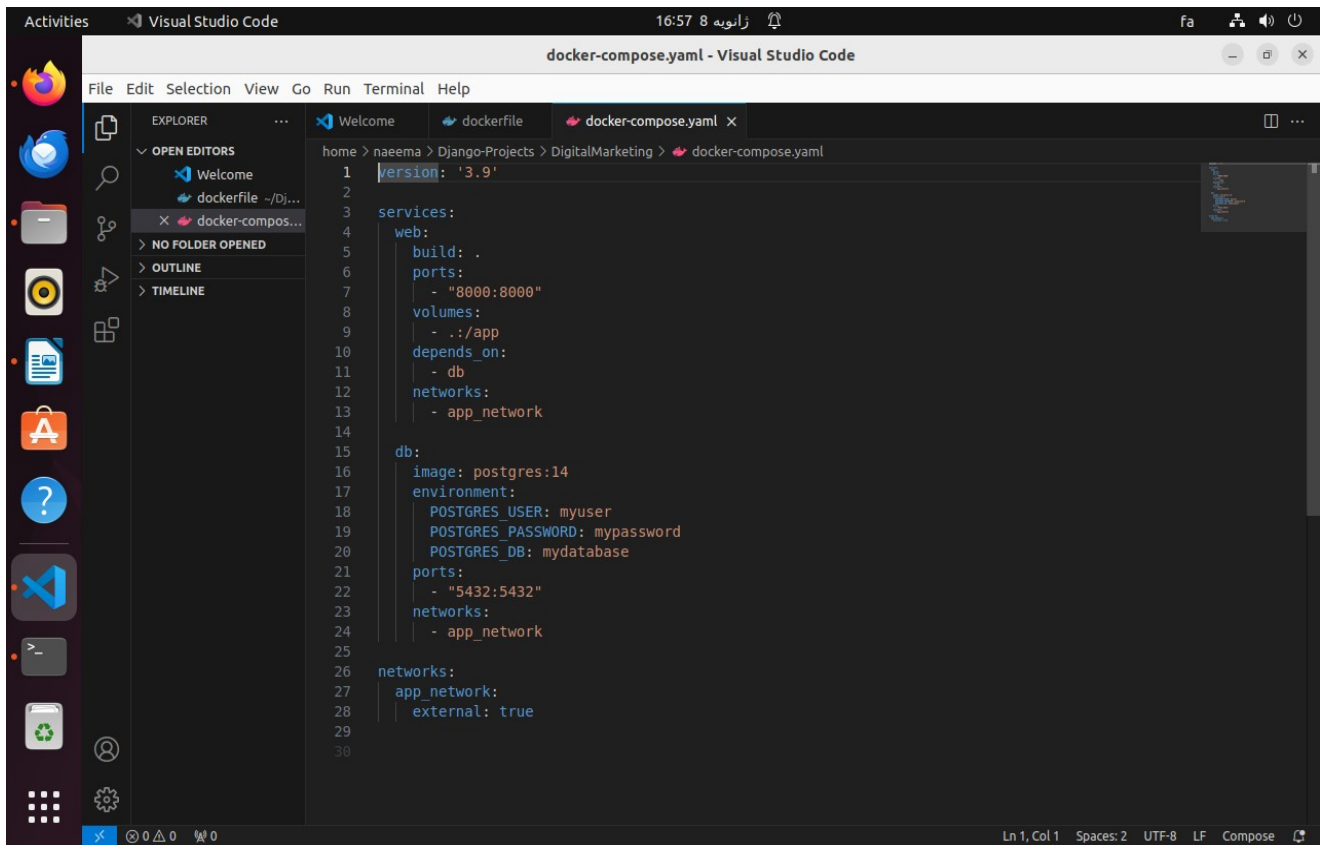
فایل های پروژه جنگو



ایجاد فایل Dockerfile

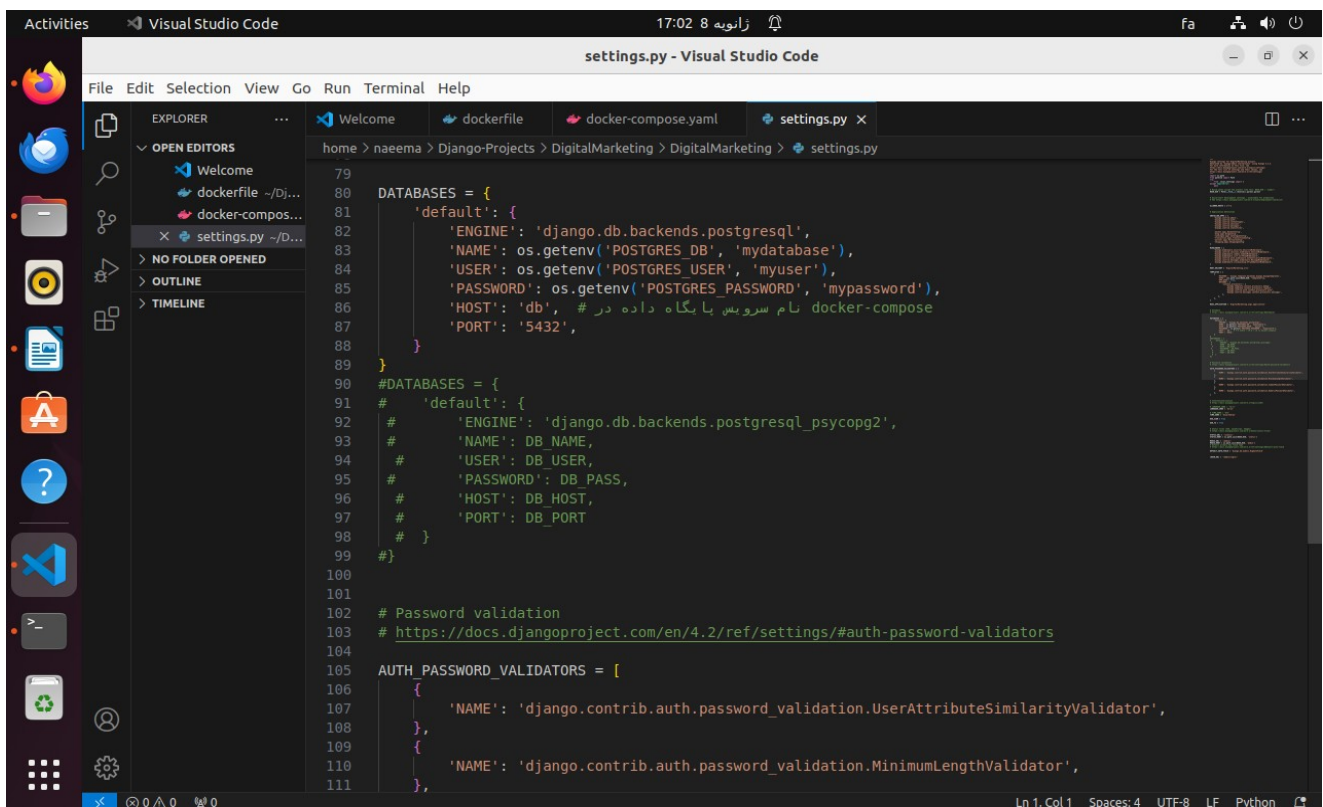


ایجاد فایل docker-compose.yml



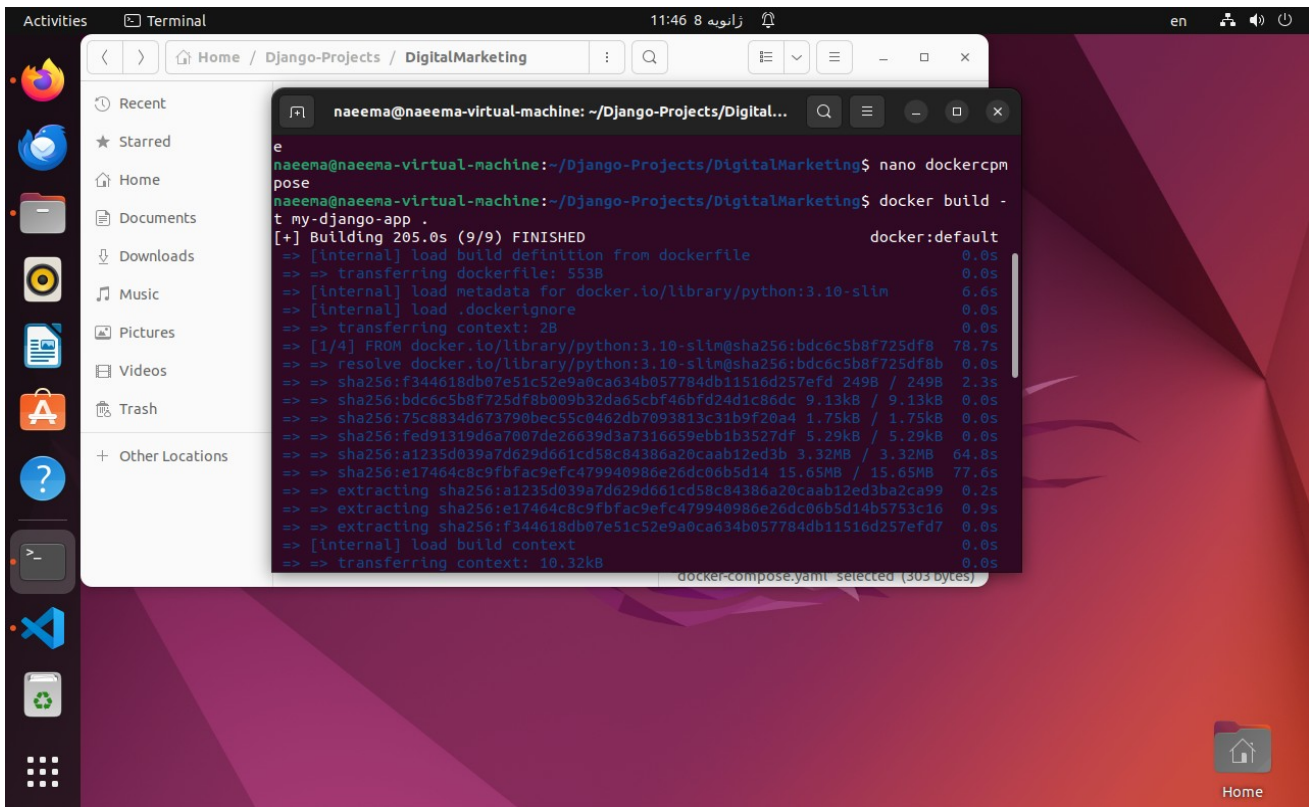
```
1 version: '3.9'
2
3 services:
4   web:
5     build: .
6     ports:
7       - "8000:8000"
8     volumes:
9       - ./app
10    depends_on:
11      - db
12    networks:
13      - app_network
14
15   db:
16     image: postgres:14
17     environment:
18       POSTGRES_USER: myuser
19       POSTGRES_PASSWORD: mypassword
20       POSTGRES_DB: mydatabase
21     ports:
22       - "5432:5432"
23     networks:
24       - app_network
25
26 networks:
27   app_network:
28     external: true
29
30
```

تنظیمات پایگاه داده جنگو را به گونه‌ای تغییر میدیم که از متغیرهای محیطی برای تنظیم پایگاه داده settings.py فایل استفاده کند



```
79 DATABASES = {
80   'default': {
81     'ENGINE': 'django.db.backends.postgresql',
82     'NAME': os.getenv('POSTGRES_DB', 'mydatabase'),
83     'USER': os.getenv('POSTGRES_USER', 'myuser'),
84     'PASSWORD': os.getenv('POSTGRES_PASSWORD', 'mypassword'),
85     'HOST': 'db', # نام سرویس پایگاه داده در docker-compose
86     'PORT': '5432',
87   }
88 }
89
90 #DATABASES = {
91 #   'default': {
92 #     'ENGINE': 'django.db.backends.postgresql_psycopg2',
93 #     'NAME': DB_NAME,
94 #     'USER': DB_USER,
95 #     'PASSWORD': DB_PASS,
96 #     'HOST': DB_HOST,
97 #     'PORT': DB_PORT
98 #   }
99 #}
100
101 # Password validation
102 # https://docs.djangoproject.com/en/4.2/ref/settings/#auth-password-validators
103
104 AUTH_PASSWORD_VALIDATORS = [
105   {
106     'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
107   },
108   {
109     'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
110   },
111 ]
```

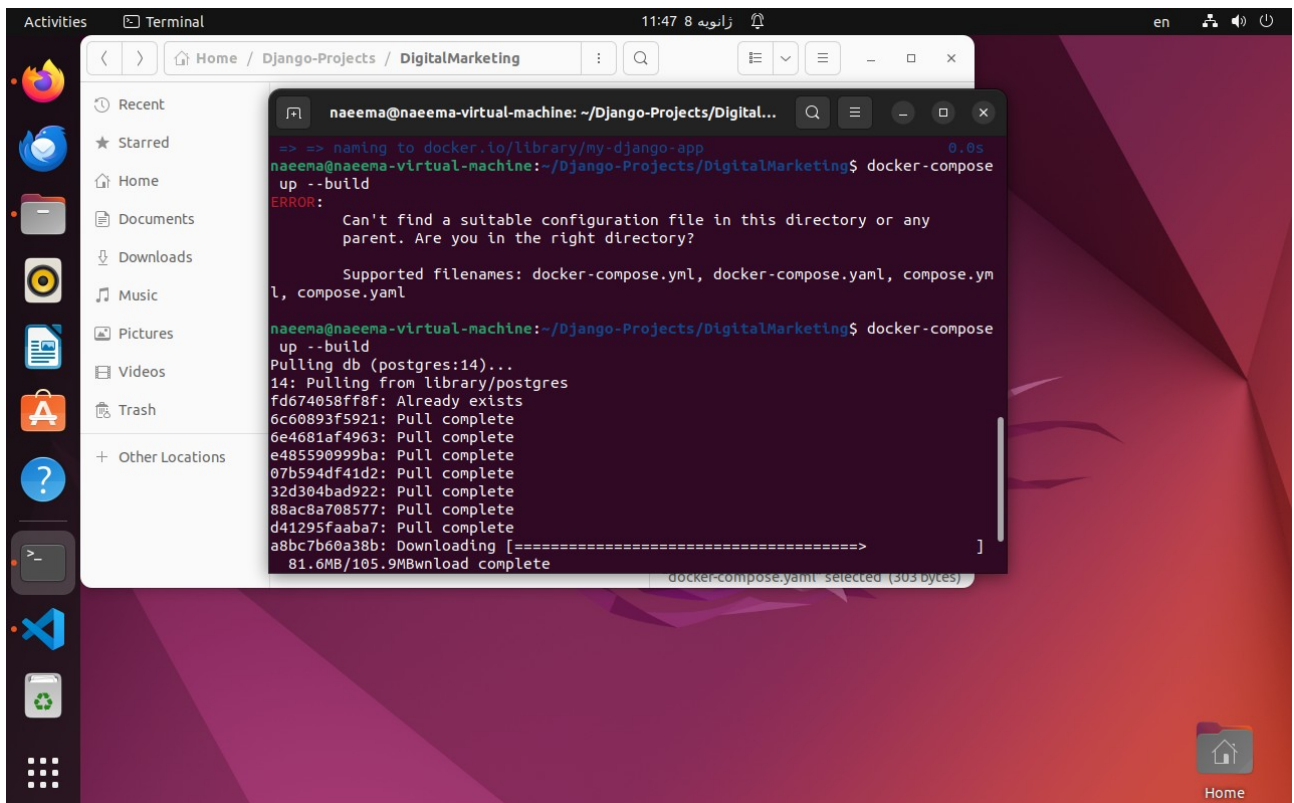
ساخت و اجرای کانتینرها



The screenshot shows a terminal window on a Linux desktop. The user is in the directory `~/Django-Projects/DigitalMarketing`. They have just edited a `Dockerfile` using `nano` and then executed `docker build -t my-django-app .`. The build process is shown as completed with the message `[+] Building 205.0s (9/9) FINISHED`. The terminal output lists the layers of the image, including the base image `python:3.10-slim` and the application code. A status bar at the bottom indicates `docker-compose.yaml selected (303 bytes)`.

```
naeema@naeema-virtual-machine: ~/Django-Projects/DigitalMarketing
naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ nano dockercpm
naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ docker build -t my-django-app .
[+] Building 205.0s (9/9) FINISHED
=> [internal] load build definition from dockerfile 0.0s
=> => transferring dockerfile: 553B 0.0s
=> [internal] load metadata for docker.io/library/python:3.10-slim 6.6s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [1/4] FROM docker.io/library/python:3.10-slim@sha256:bdc6c5b8f725df8 78.7s
=> => resolve docker.io/library/python:3.10-slim@sha256:bdc6c5b8f725df8b 0.0s
=> => sha256:f344618db07e51c52e9a0ca634b057784db11516d257efd 249B / 249B 2.3s
=> => sha256:bdc6c5b8f725df8b09b32da65cbf46bfd24d1c86dc 9.13kB / 9.13kB 0.0s
=> => sha256:75c8834d673790bec55c0462db7093813c31b9f20a4 1.75kB / 1.75kB 0.0s
=> => sha256:fed91319d6a7007de26639d3a7316659ebb1b3527df 5.29kB / 5.29kB 0.0s
=> => sha256:a1235d039a7d629d661cd58c84386a20caab12ed3b 3.32MB / 3.32MB 64.8s
=> => sha256:e17464c8c9fbfac9efc479940986e26dc06b5d14 15.65MB / 15.65MB 77.6s
=> => extracting sha256:a1235d039a7d629d661cd58c84386a20caab12ed3ba2ca99 0.2s
=> => extracting sha256:e17464c8c9fbfac9efc479940986e26dc06b5d14b5753c16 0.9s
=> => extracting sha256:f344618db07e51c52e9a0ca634b057784db11516d257efd7 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 10.32kB 0.0s
docker-compose.yaml selected (303 bytes)
```

اجرای کانتینر با Docker Compose



The screenshot shows the same terminal window. The user has run `docker-compose up --build`, which resulted in an error: `Can't find a suitable configuration file in this directory or any parent. Are you in the right directory?`. The error message lists supported filenames: `docker-compose.yml`, `docker-compose.yaml`, `compose.yml`, and `compose.yaml`. The user then runs `docker-compose up --build` again, and the terminal shows the process of pulling the `postgres:14` image. The status bar at the bottom indicates `docker-compose.yaml selected (303 bytes)`.

```
naeema@naeema-virtual-machine: ~/Django-Projects/DigitalMarketing
naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ docker-compose up --build
ERROR:
Can't find a suitable configuration file in this directory or any
parent. Are you in the right directory?

Supported filenames: docker-compose.yml, docker-compose.yaml, compose.y
l, compose.yaml

naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ docker-compose up --build
Pulling db (postgres:14)...
14: Pulling from library/postgres
fd674058ff8f: Already exists
6c60893f5921: Pull complete
6e4681af4963: Pull complete
e485590999ba: Pull complete
07b594df41d2: Pull complete
32d304bad922: Pull complete
88ac8a708577: Pull complete
d41295faaba7: Pull complete
a8bc7b60a38b: Downloading [=====]
81.6MB/105.9MBnload complete
docker-compose.yaml selected (303 bytes)
```


Activities Terminal 12:45 8 زانويه 11 en

```
naeema@naeema-virtual-machine: ~/Django-Projects/DigitalMarketing
-----
failed to solve: process "/bin/sh -c pip install --no-cache-dir -r requirements.txt" did not complete successfully: exit code: 2
naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ docker network create app_network
21e91f993fa85f8e6ec8c26e4454be50636a198f4143d02c5d5a2692b75154fc
naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ docker compose up --build
[+] Building 128.7s (9/9) FINISHED
=> [web internal] load build definition from dockerfile 0.0s
=> => transferring dockerfile: 608B 0.0s
=> [web internal] load metadata for docker.io/library/python:3.10-slim 1.0s
=> [web internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [web 1/4] FROM docker.io/library/python:3.10-slim@sha256:bdc6c5b8f725df8b009b32 0.0s
=> [web internal] load build context 0.0s
=> => transferring context: 9.78kB 0.0s
=> CACHED [web 2/4] WORKDIR /app 0.0s
=> CACHED [web 3/4] COPY . /app 0.0s
=> [web 4/4] RUN pip install --no-cache-dir -r requirements.txt 126.7s
=> [web] exporting to image 1.0s
=> => exporting layers 1.0s
=> => writing image sha256:9ad5d9049e78d3233796e5d13a9688fbd28c88655ffaf06bc5d612 0.0s
=> => naming to docker.io/library/digitalmarketing-web 0.0s
[+] Running 2/2
```

Home

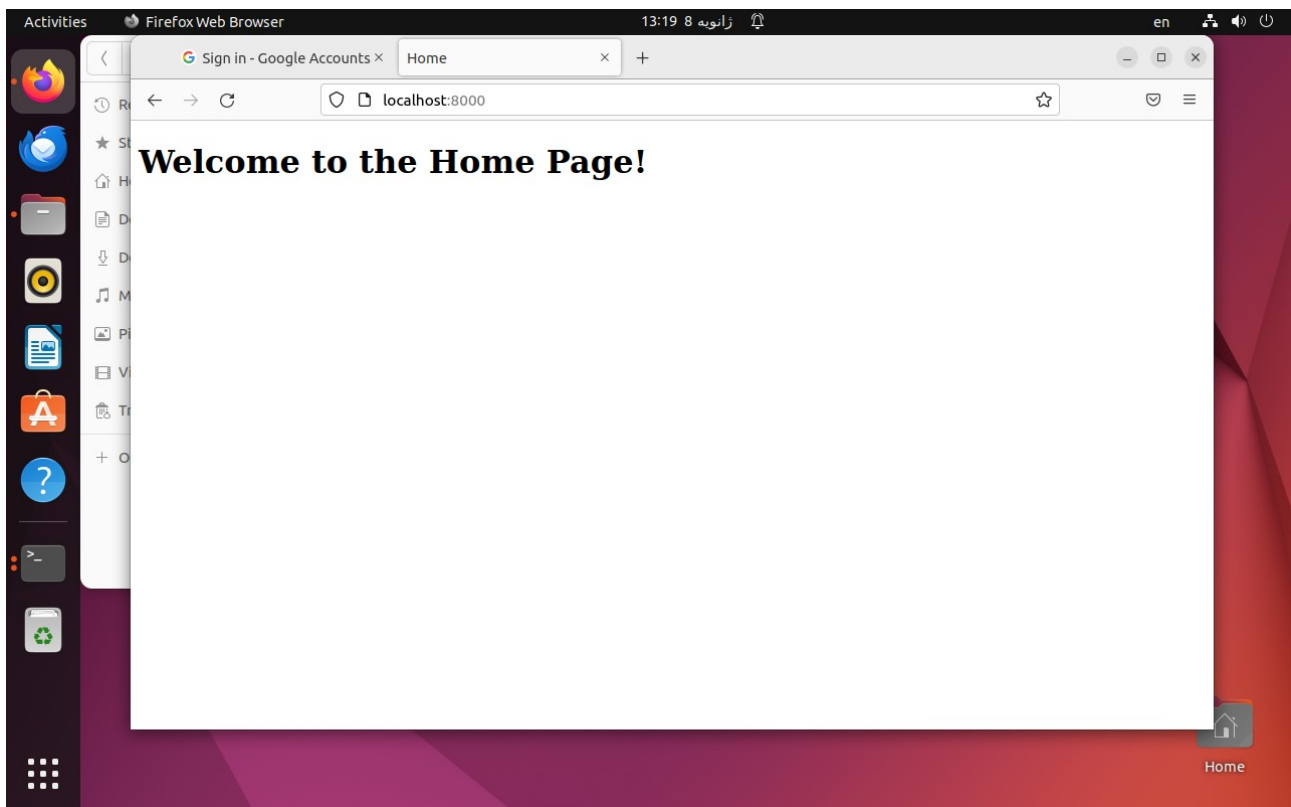
Activities Terminal 12:45 8 زانويه 11 en

Screenshot captured
You can paste the image from the clipboard.

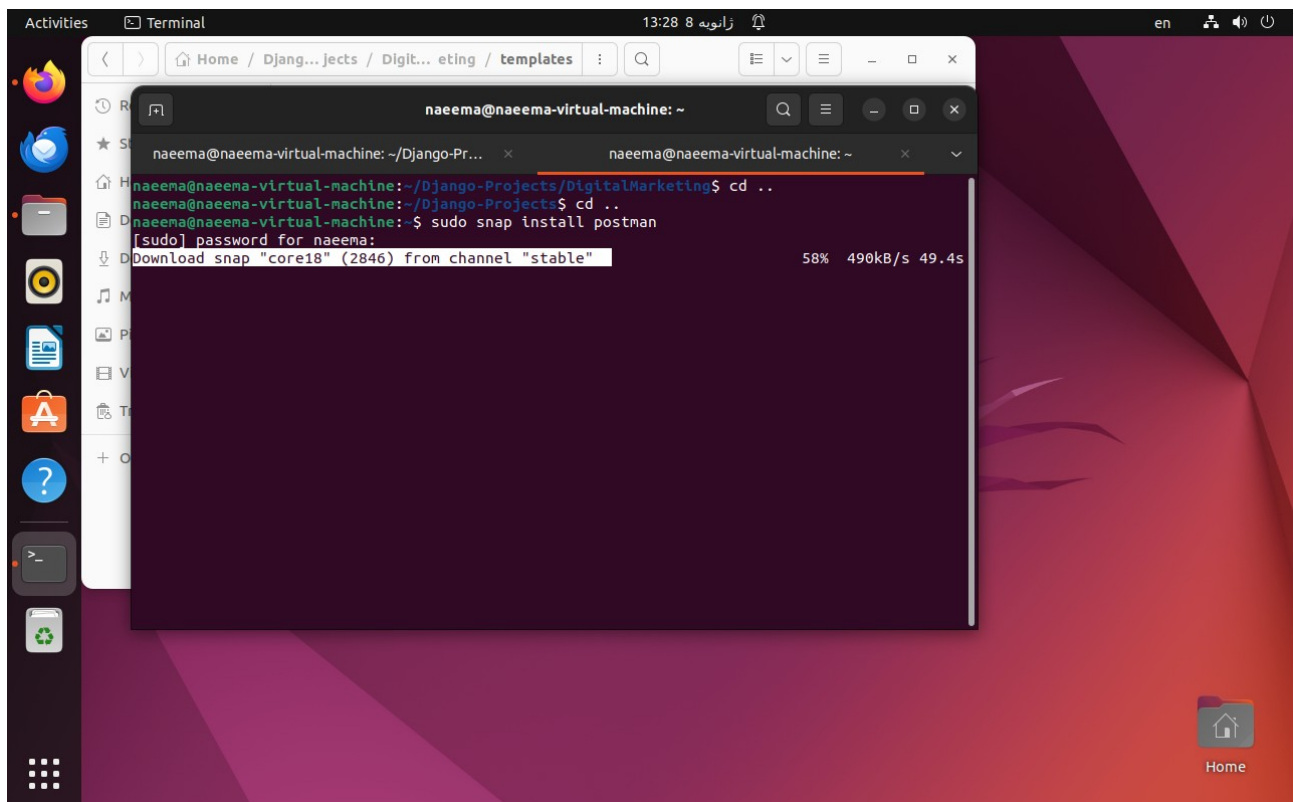
```
naeema@naeema-virtual-machine:~/Django-Projects/DigitalMarketing$ docker compose up --build
[+] Running 2/2
✔ Container digitalmarketing-db-1 Recreated 0.1s
✔ Container digitalmarketing-web-1 Recreated 0.0s
Attaching to digitalmarketing-db-1, digitalmarketing-web-1
digitalmarketing-db-1 |
digitalmarketing-db-1 | PostgreSQL Database directory appears to contain a database; Skipping initialization
digitalmarketing-db-1 |
digitalmarketing-db-1 |
digitalmarketing-db-1 | 2025-01-08 09:11:58.323 UTC [1] LOG: starting PostgreSQL 14.15 (Debian 14.15-1.pgdg120+1) on x86_64-pc-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit
digitalmarketing-db-1 | 2025-01-08 09:11:58.658 UTC [1] LOG: listening on IPv4 address "0.0.0.0", port 5432
digitalmarketing-db-1 | 2025-01-08 09:11:58.658 UTC [1] LOG: listening on IPv6 address "::", port 5432
digitalmarketing-db-1 | 2025-01-08 09:11:58.664 UTC [1] LOG: listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
digitalmarketing-db-1 | 2025-01-08 09:11:58.680 UTC [26] LOG: database system was shut down at 2025-01-08 09:00:58 UTC
digitalmarketing-db-1 | 2025-01-08 09:11:58.703 UTC [1] LOG: database system is ready to accept connections
digitalmarketing-web-1 | Watching for file changes with StatReloader
digitalmarketing-web-1 | Not Found: /
digitalmarketing-web-1 | [08/Jan/2025 12:43:30] "GET / HTTP/1.1" 404 2749
```

Home

http://localhost:8000



نصب postman



تست در postman

