

egor@egor-VivoBook-S15-X510UF:~\$ touch Dockerfile
egor@egor-VivoBook-S15-X510UF:~\$ vi Dockerfile

```
FROM python:3.9-alpine3.14
RUN apk add --update --no-cache gcc musl-dev
COPY main.py /app/main.py
WORKDIR /app
CMD ["python", "main.py"]
```

egor@egor-VivoBook-S15-X510UF:~\$ touch main.py
egor@egor-VivoBook-S15-X510UF:~\$ vi main.py

```
print("Hello, Docker!")
```

egor@egor-VivoBook-S15-X510UF:~\$ sudo docker build -t myapp .
[sudo] password for egor:
[+] Building 103.9s (9/9) FINISHED
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 176B 0.0s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.9-alpine3.14 3.3s
=> [1/4] FROM docker.io/library/python:3.9-alpine3.14@sha256:090940e4fe 10.1s
=> => resolve docker.io/library/python:3.9-alpine3.14@sha256:090940e4fe4 0.0s
=> => sha256:090940e4fe49cafe0a0084698d73b216416a4208a09 1.65kB / 1.65kB 0.0s
=> => sha256:ba2e761d36473dc178f313c5a155bb4c34dc88233bd 1.37kB / 1.37kB 0.0s
=> => sha256:7a2a648d997464b8b869a0d5b6ef96324397e707a9d 7.02kB / 7.02kB 0.0s
=> => sha256:8663204ce13b2961da55026a2034abb9e5afaaccf6a 2.82MB / 2.82MB 3.5s
=> => sha256:e6202aa870befe19a5b6da7484e3ac1b39b0762 666.69kB / 666.69kB 2.4s
=> => sha256:f246d82267f935cc778023f102806d9fe2c63bdae 13.73MB / 13.73MB 9.3s
=> => sha256:0736130398cfaa046b1909919093e3583875dc13a1fcf16 233B / 233B 3.2s
=> => sha256:93f855da6823a09dc063e430c69ded425470f9c69d6 2.87MB / 2.87MB 9.5s
=> => extracting sha256:8663204ce13b2961da55026a2034abb9e5afaaccf6a9cfb4 0.1s
=> => extracting sha256:e6202aa870befe19a5b6da7484e3ac1b39b0762008cbc7ed 0.2s
=> => extracting sha256:f246d82267f935cc778023f102806d9fe2c63bdae2d33077 0.4s
=> => extracting sha256:0736130398cfaa046b1909919093e3583875dc13a1fcf16a 0.0s
=> => extracting sha256:93f855da6823a09dc063e430c69ded425470f9c69d62d82d 0.2s
=> [internal] load build context 0.0s
=> => transferring context: 58B 0.0s
=> [2/4] RUN apk add --update --no-cache gcc musl-dev 89.7s
=> [3/4] COPY main.py /app/main.py 0.0s
=> [4/4] WORKDIR /app 0.0s
=> exporting to image 0.6s
=> => exporting layers 0.6s
=> => writing image sha256:ca96ee1eff578aadf2fb51aa9627673dc84c5ae066cee 0.0s

```
=> => naming to docker.io/library/myapp 0.0s
egor@egor-VivoBook-S15-X510UF:~$ sudo docker run myapp
Hello, Docker!
```