

```
root@ :/home/ /git/docker/geekbrains-containerization/homework/2.docker/python# docker build -t py-app:v1
Sending build context to Docker daemon  4.096kB
Step 1/5 : FROM python:3.9-alpine
--> 89d0ff4dc59
Step 2/5 : ADD . /app
--> fcc1bc4ab01f
Step 3/5 : RUN pip install -r /app/requirements.txt
--> Running in 0b885b9ebece
Collecting Django==3.2
  Downloading Django-3.2-py3-none-any.whl (7.9 MB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 7.9/7.9 MB 8.9 MB/s eta 0:00:00
Collecting click==7.1.2
  Downloading click-7.1.2-py2.py3-none-any.whl (82 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 82.0/82.0 KB 6.5 MB/s eta 0:00:00
Collecting Flask==1.1.2
  Downloading Flask-1.1.2-py2.py3-none-any.whl (94 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 94.6/94.6 KB 8.2 MB/s eta 0:00:00
Collecting itsdangerous==1.1.0
  Downloading itsdangerous-1.1.0-py2.py3-none-any.whl (16 kB)
Collecting Jinja2==2.11.2
  Downloading Jinja2-2.11.2-py2.py3-none-any.whl (125 kB)
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Collecting MarkupSafe==1.1.1
  Downloading MarkupSafe-1.1.1.tar.gz (19 kB)
  Preparing metadata (setup.py): started
  Preparing metadata (setup.py): finished with status 'done'
Collecting Werkzeug==1.0.1
  Downloading Werkzeug-1.0.1-py2.py3-none-any.whl (298 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 298.6/298.6 KB 10.2 MB/s eta 0:00:00
Collecting sqlparse>=0.2.2
  Downloading sqlparse-0.4.3-py3-none-any.whl (42 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 42.8/42.8 KB 3.5 MB/s eta 0:00:00
Collecting asgiref<4,>=3.3.2
  Downloading asgiref-3.6.0-py3-none-any.whl (23 kB)
Collecting pytz
  Downloading pytz-2022.7-py2.py3-none-any.whl (499 kB)
    ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 499.4/499.4 KB 9.7 MB/s eta 0:00:00
Building wheels for collected packages: MarkupSafe
  Building wheel for MarkupSafe (setup.py): started
  Building wheel for MarkupSafe (setup.py): finished with status 'done'
  Created wheel for MarkupSafe: filename=MarkupSafe-1.1.1-py3-none-any.whl size=12639 sha256=a987cf3dfb0eb27f12633a3849cc6270c7f16d85e13d43327933406074e0e5c6
  Stored in directory: /root/.cache/pip/wheels/e0/19/6f/6ba857621f50dc08e084312746ed3ebc14211ba30037d5e44e
Successfully built MarkupSafe
Installing collected packages: pytz, Werkzeug, sqlparse, MarkupSafe, itsdangerous, click, asgiref, Jinja2, Django, Flask
Successfully installed Django-3.2 Flask-1.1.2 Jinja2-2.11.2 MarkupSafe-1.1.1 Werkzeug-1.0.1 asgiref-3.6.0 click-7.1.2 itsdangerous-1.1.0 pytz-2022.7 sqlparse-0.4.3
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead:
https://pip.pypa.io/warnings/venv
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Successfully built MarkupSafe
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WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead:
https://pip.pypa.io/warnings/venv
WARNING: You are using pip version 22.0.4; however, version 22.3.1 is available.
You should consider upgrading via the '/usr/local/bin/python -m pip install --upgrade pip' command.
Removing intermediate container 0b885b9ebece
--> 90ed982c7ec3
Step 4/5 : EXPOSE 8000
--> Running in c4419567eb1d
Removing intermediate container c4419567eb1d
--> fdc2f35e1259
Step 5/5 : ENTRYPOINT python /app/app.py runserver 0.0.0.0:8000
--> Running in 9fb14f4c1369
Removing intermediate container 9fb14f4c1369
--> 382fd86bfc33
Successfully built 382fd86bfc33
Successfully tagged py-app:v1
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```
root@ :/home/ /git/docker/geekbrains-containerization/homework/2.docker/python# docker run -d -p 8000:8000 --name py-app localhost:5000/py-app:v1
c6a16a55152faa21fa9df1608333b3311070607bc4f099d58149c0db134d31a1
root@ :/home/ /git/docker/geekbrains-containerization/homework/2.docker/python# docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED            STATUS              PORTS                               NAMES
c6a16a55152f        localhost:5000/py-app:v1   "/bin/sh -c 'python ..."   14 seconds ago    Up 12 seconds      8000/tcp, 0.0.0.0:8000->8000/tcp    py-app
47ee3d0e1d46        registry:2             "/entrypoint.sh /etc..."  3 hours ago       Up 3 hours         0.0.0.0:5000->5000/tcp             registry
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root@ :/home/ /git/docker/geekbrains-containerization/homework/2.docker/python# curl localhost:8000
Hello, World!root@ :/home/ /git/docker/geekbrains-containerization/homework/2.docker/python#
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