Sprawozdanie
PawChO
Laboratorium 5

Treść pliku Dockerfile:

```
FROM scratch AS builder
ADD alpine-minirootfs-3.19.1-x86_64.tar /
ARG VERSION
WORKDIR /usr/app
RUN apk update && apk add nodejs npm
COPY ./package.json ./
RUN npm install
COPY ./index.js ./
EXPOSE 8000
FROM nginx:alpine
ARG VERSION
ENV APP_VERSION=$VERSION
RUN apk update && apk add nodejs
COPY --from=builder /usr/app /usr/share/nginx/html
COPY ./default.conf /etc/nginx/conf.d
WORKDIR /usr/share/nginx/html
EXPOSE 80
CMD nginx -g "daemon off;" & node index.js
HEALTHCHECK --interval=5s --timeout=3s CMD curl -f http://localhost:8000 || exit 1
```

Polecenie użyte do budowy obrazu oraz wynik jego działania:

```
kamil@ubuntu ~/Studia/Semestr 6/Aplikcaje Chmurowe/zadanie_lab5
➜  docker build --build-arg VERSION=1.0.0 -t zadanie_lab5:1.0.0 .
[+] Building 0.6s (16/16) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 596B
 => [internal] load metadata for docker.io/library/nginx:alpine
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load build context
 => => transferring context: 150B
 => [stage-1 1/5] FROM docker.io/library/nginx:alpine@sha256:31bad00311cb5eeb8a6648beadcf67277a175da89989f14727420a80e2e76742
 => CACHED [stage-1 2/5] RUN apk update && apk add nodejs
 => CACHED [builder 1/6] ADD alpine-minirootfs-3.19.1-x86_64.tar /
 => CACHED [builder 2/6] WORKDIR /usr/app
 => CACHED [builder 3/6] RUN apk update && apk add nodejs npm
 => CACHED [builder 4/6] COPY ./package.json ./
 => CACHED [builder 5/6] RUN npm install
 => CACHED [builder 6/6] COPY ./index.js ./
 => CACHED [stage-1 3/5] COPY --from=builder /usr/app /usr/share/nginx/html
 => CACHED [stage-1 4/5] COPY ./default.conf /etc/nginx/conf.d
 => CACHED [stage-1 5/5] WORKDIR /usr/share/nginx/html
 => exporting to image
 => => exporting layers
 => => writing image sha256:8804bb52f1a864e6cc71960af9593a8efba174fa08e68aed4ebbec166cadbe71
 => => naming to docker.io/library/zadanie_lab5:1.0.0
```

Polecenie uruchamiające serwer:

```
kamil@ubuntu ~/Studia/Semestr 6/Aplikcaje Chmurowe/zadanie_lab5
➜  docker run -d -p 8000:80 --name testZadanie5 zadanie_lab5:1.0.0
363d287bfeaf8dca26fc12b9d04aff446c535b60ace2ffe4e6b19a3151a3e61d
```

Polecenie potwierdzające działanie kontenera:

```
kamil@ubuntu ~/Studia/Semestr 6/Aplikcaje Chmurowe/zadanie_lab5
➜  docker ps
CONTAINER ID   IMAGE                 COMMAND                  CREATED          STATUS                    PORTS                                                NAMES
363d287bfeaf   zadanie_lab5:1.0.0    "/docker-entrypoint.…"   28 seconds ago   Up 27 seconds (healthy)   0.0.0.0:8000->80/tcp, :::8000->80/tcp                testZadanie5
509ebd05d0c9   registry:2            "/entrypoint.sh /etc…"   13 days ago      Up 56 minutes             0.0.0.0:5000->5000/tcp, :::5000->5000/tcp            registry
```

Polecenie potwierdzające poprawne działanie aplikacji: