1. Create an image from not optimized Dockerfile

```
FROM ubuntu:latest

RUN apt-get update

RUN apt-get -y upgrade

RUN apt install -y nginx

COPY index.html /var/www/html/

CMD ["nginx", "-g", "daemon off;"]
```

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```

2. Create an image from optimized Dockerfile

```
RUN apt-get update && apt-get -y upgrade && apt install -y nginx COPY index.html /var/www/html/CMD ["nginx", "-g", "daemon off;"]
```

```
vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson4$ sudo docker build -t wpodkhaliuzin/my-nginx:0.2 .
[+] Building 13.8s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 1928
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [auth] library/ubuntu:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 28
=> CACHED [1/3] FROM docker.io/library/ubuntu:latest@sha256:72297848456d5d37d1262630108ab308d3e9ec7ed1c3286a32fe09856619a782
=> [internal] load build context
=> => transferring context: 328
=> [2/3] RUN apt-get update && apt-get -y upgrade && apt install -y nginx
=> [3/3] COPY index.html /var/uwuw/html/
=> exporting to image
=> => exporting layers
=> => writing image sha256:fecd1e48760c8db14fff9cff93b1d60b537368e9e630b8642ab8659594279c20
=> => naming to docker.io/upodkhaliuzin/my-nginx:0.2
```

3. Compare sizes of two images

vladyslavpodkhaliuzin@vladyslavpodkhaliuzin:~/lesson4\$ sudo docker				images
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
wpodkhaliuzin/my-nginx	0.2	fecd1e48760c	25 seconds ago	194MB
my-nginx	0.1	f1e4af6a7999	12 hours ago	196MB
wpodkhaliuzin/my-nginx	0.1	f1e4af6a7999	12 hours ago	196MB
my-app	latest	632d3dcf016d	15 hours ago	197MB
hello-world	latest	f1f77a0f96b7	2 weeks ago	5.2kB
gitea/gitea	1.22.6	071c5c0e37f4	8 weeks ago	177MB
nginx	latest	0dff3f9967e3	2 months ago	197MB
postgres	1 4	0ab8e2d50b0a	2 months ago	444MB

4. Pull an images from Docker Hub and start a container