

作业 1:

```
docker: /usr/local/library/busybox:latest
[root@10-23-235-133 docker]# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
hello-world    latest    9c7a54a9a43c   4 months ago   13.3kB
busybox        latest    e4db68de4ff2   4 years ago    1.22MB
[root@10-23-235-133 docker]#
[root@10-23-235-133 docker]# docker run busybox
[root@10-23-235-133 docker]# docker run busybox echo "hello from busybox"
hello from busybox
[root@10-23-235-133 docker]#
```

作业 2:

```
[tangxiaohui@10-23-235-133 ~]$ docker run -it centos sh
sh-4.2#
sh-4.2# lscpu
Architecture:          x86_64
CPU op-mode(s):        32-bit, 64-bit
Byte Order:            Little Endian
CPU(s):                1
On-line CPU(s) list:   0
Thread(s) per core:    1
Core(s) per socket:    1
Socket(s):             1
NUMA node(s):          1
Vendor ID:             GenuineIntel
CPU family:            6
Model:                85
Model name:            Intel Xeon Processor (Cascadelake)
Stepping:              6
CPU MHz:               2992.970
BogoMIPS:              5985.94
Hypervisor vendor:     KVM
Virtualization type:   full
L1d cache:             32K
L1i cache:             32K
L2 cache:              4096K
L3 cache:              16384K
NUMA node0 CPU(s):     0
Flags:                 fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge
cmov pat pse36 clflush mmx fxsr sse sse2 syscall nx pdpe1gb rdtscp lm constant_tsc rep_good nopl xtopology cpuid tsc_known_freq pni pclmulqdq ssse3 fma c
pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16
rand hypervisor lahf_lm abm 3dnowprefetch cpuid_fault invpcid_single ssbd i
ibpb fsgsbase bmi1 hle avx2 smep bmi2 erms invpcid rtm avx512f avx512dq rds
adx smap clflushopt clwb avx512cd avx512bw avx512vl xsaveopt xsavec xgetbv1
t pku ospke avx512_vnni
sh-4.2#
```

作业 3:

```
[tangxiaohui@10-23-235-133 html]$ docker run -p 8000:80 -v /var/html:/usr/share
/nginx/html/mypage --rm --name 10215501437 cloud_computing/static_site
Nginx is running...
172.17.0.1 - - [22/Sep/2023:03:08:11 +0000] "GET /mypage/index.html HTTP/1.1" 2
00 318 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML
, like Gecko) Chrome/117.0.0.0 Safari/537.36" "-"
```

Hello Docker!

This is being served from a **docker** container running Nginx.

my id is 10215501437, my name is 唐小开

作业 4:

```
[tangxiaohui@10-23-235-133 demo2]$ ^C
[tangxiaohui@10-23-235-133 demo2]$ docker build -t tangxiaohui/demo .
[+] Building 23.3s (9/9) FINISHED                                docker:default
=> [internal] load build definition from Dockerfile              0.0s
=> => transferring dockerfile: 528B                               0.0s
=> [internal] load .dockerignore                                0.0s
=> => transferring context: 2B                                     0.0s
=> [internal] load metadata for docker.io/library/python:latest 0.4s
=> [1/4] FROM docker.io/library/python:latest@sha256:11454cd111137f54f 18.1s
=> => resolve docker.io/library/python:latest@sha256:11454cd111137f54f2 0.0s
=> => sha256:5ae19949497e04289972756fe51cfac1a72b04fe 50.38MB / 50.38MB 1.6s
=> => sha256:f1213685078145f6136360475dbaffd0f86dfe9213 9.98MB / 9.98MB 0.5s
=> => sha256:11454cd111137f54f2c91a624ab16b88d6dd31092a 2.22kB / 2.22kB 0.0s
=> => sha256:42d620af35bebd96e135fdabc20b7d447d88890101 8.05kB / 8.05kB 0.0s
=> => sha256:ed3d96a2798e8837be24597cabf44ce25585cb9db1 7.80MB / 7.80MB 0.4s
=> => sha256:1a9ad5d5550bdf7db4c3d035bf9550bcd1de06a 51.77MB / 51.77MB 3.0s
=> => sha256:6f18049a0455d5e717b580354b515d9ac661e1 192.26MB / 192.26MB 6.6s
=> => extracting sha256:5ae19949497e04289972756fe51cfac1a72b04fe2709e85 2.9s
=> => sha256:ce39fa9d79d10239f5407e0bf43e2056f10cab5386 5.79MB / 5.79MB 4.0s
=> => sha256:3a91ffcf88eadccd4b196138e3c783070af7e523 26.57MB / 26.57MB 4.7s
=> => sha256:ee82cc8e15068a2e57dec1805ebc11ae639bf10d967bf1 235B / 235B 5.5s
=> => extracting sha256:ed3d96a2798e8837be24597cabf44ce25585cb9db1d7492 1.0s
=> => sha256:bf0dbf90a11587afe7b0b48c0f7bf182b2fb7823da 1.82MB / 1.82MB 6.6s
=> => extracting sha256:f1213685078145f6136360475dbaffd0f86dfe92133a7bc 0.2s
=> => extracting sha256:1a9ad5d5550bdf7db4c3d035bf9550bcd1de06a7f178a2 2.0s
=> => extracting sha256:6f18049a0455d5e717b580354b515d9ac661e1a28d6ca9d 6.0s
=> => extracting sha256:ce39fa9d79d10239f5407e0bf43e2056f10cab5386d7319 0.2s
=> => extracting sha256:3a91ffcf88eadccd4b196138e3c783070af7e5239688128 1.1s
=> => extracting sha256:ee82cc8e15068a2e57dec1805ebc11ae639bf10d967bf1b 0.0s
=> => extracting sha256:bf0dbf90a11587afe7b0b48c0f7bf182b2fb7823da8b298 0.1s
=> [internal] load build context                                0.0s
=> => transferring context: 263B                                   0.0s
=> [2/4] RUN pip install flask -i https://pypi.tuna.tsinghua.edu.cn/sim 4.6s
=> [3/4] ADD ./app.py /opt                                    0.0s
=> [4/4] WORKDIR /opt                                         0.0s
=> exporting to image                                          0.1s
=> => exporting layers                                           0.1s
=> => writing image sha256:830f9a0ad3c56c0756e1fa62d884764bbc7e712fa8d3 0.0s
=> => naming to docker.io/tangxiaohui/demo                    0.0s
[tangxiaohui@10-23-235-133 demo2]$
```

```
Press CTRL+C to quit
^C[tangxiaohui@10-23-235-133 demo2]$ docker run -p 8080:5000 --name txh_demo ta
ngxiaohui/demo
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment
. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.17.0.3:5000
Press CTRL+C to quit
141.98.7.19 - - [22/Sep/2023 04:13:33] "CONNECT google.com:443 HTTP/1.1" 404 -
198.235.24.9 - - [22/Sep/2023 04:14:39] "GET / HTTP/1.0" 200 -
219.228.146.59 - - [22/Sep/2023 04:17:31] "GET / HTTP/1.1" 200 -
219.228.146.59 - - [22/Sep/2023 04:17:31] "GET /favicon.ico HTTP/1.1" 404 -
```

hello world!

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