

## 云计算实验二报告

### 作业 1:

```
[root@10-23-138-106 ~]# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
busybox              latest              6858809bf669       4 weeks ago        1.2
3MB
hello-world          latest              bf756fb1ae65       9 months ago        13.
3kB
[root@10-23-138-106 ~]# docker run busybox
[root@10-23-138-106 ~]# docker run busybox echo "hello from busybox"
hello from busybox
```

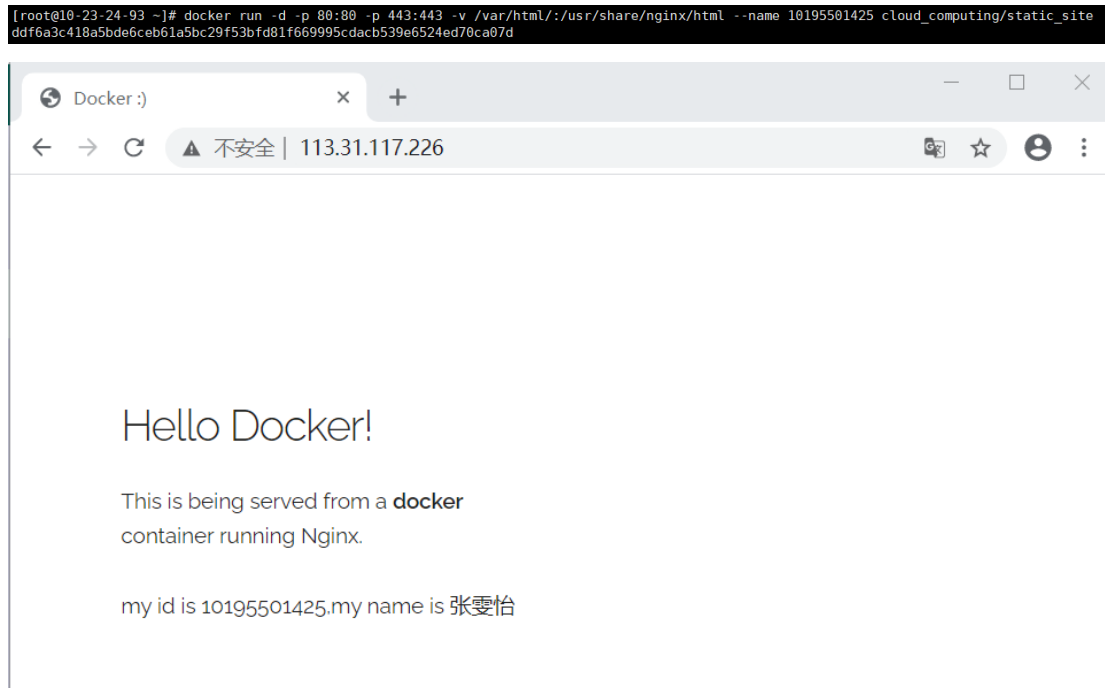
### 作业 2:

```
[root@10-23-138-106 ~]# docker run -it centos sh
Unable to find image 'centos:latest' locally
latest: Pulling from library/centos
3c72a8ed6814: Pull complete
Digest: sha256:76d24f3ba3317fa945743bb3746fbaf3a0b752f10b10376960de01da70685fbd
Status: Downloaded newer image for centos:latest
sh-4.4# 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:                61
Model name:           Intel Core Processor (Broadwell, no TSX)
Stepping:             2
CPU MHz:              2194.916
BogoMIPS:             4389.83
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 mca cmov
pat pse36 clflush mmx fxsr sse sse2 syscall nx rdtscp lm constant_tsc rep_good nopl
xtopology cpuid tsc_known_freq pni pclmulqdq ssse3 fma cx16 pcid sse4_1 sse4_2 x2a
pic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor lahf_lm ab
m 3dnowprefetch invpcid_single fsgsbase bmi1 avx2 smep bmi2 erms invpcid rdseed adx
smap xsaveopt arat
```

### 作业 3:

```
[root@10-23-24-93 ~]# docker run -d -p 8000:80 -v /var/html:/usr/share/nginx/html/
mypage --name 10195501425 cloud_computing/static_site
783b3b28b4dfba99dc1ceac88d77fe798f5ee34cd0580b87f6374af6e657e0f1
[root@10-23-24-93 ~]# docker port 10195501425
80/tcp -> 0.0.0.0:8000
```

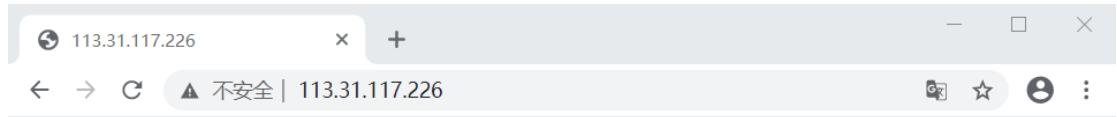
(这里访问页面失败, 换了个方式



作业 4:

```
[root@10-23-24-93 demo]# docker build -t zhangwenyi/demo .
Sending build context to Docker daemon 3.072kB
Step 1/7 : FROM cloud_computing/python:latest
--> bbf31371d67d
Step 2/7 : LABEL description="Dockerfile Demo for ECNU"
--> Using cache
--> c18d90a6ee47
Step 3/7 : RUN pip install flask -i https://pypi.tuna.tsinghua.edu.cn/simple
--> Using cache
--> bc71e644684b
Step 4/7 : ADD ./app.py /opt
--> Using cache
--> 494952322fb3
Step 5/7 : WORKDIR /opt
--> Using cache
--> 72eb998b92b9
Step 6/7 : EXPOSE 5000
--> Using cache
--> 286044cd1718
Step 7/7 : CMD python app.py
--> Using cache
--> 3b671cc19739
Successfully built 3b671cc19739
Successfully tagged zhangwenyi/demo:latest
[root@10-23-24-93 demo]# docker run --rm zhangwenyi/demo
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://0.0.0.0:5000/ (Press CTRL+C to quit)

[root@10-23-24-93 ~]# docker run -d -p 80:5000 zhangwenyi/demo
1adcfee0f5f1705ac9b2af19b3f4d1cef5e1cbdb0086a4447479ef87f58258976
```



hello world!