

1. 在 Docker 中分别以后台方式和交互方式启动 CentOS，对比启动后的容器状态，实现退出容器也能保持其运行状态。

```
[root@wuhan ~]# docker run -d centos
0da5e8e29df588181b8a8bde83dc384d3e3363e98e6555c32b9a48b16e2422af
[root@wuhan ~]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
[root@wuhan ~]# docker run -it centos
[root@b3c6613c8b3f /]# [root@wuhan ~]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
b3c6613c8b3f   centos    "/bin/bash"   19 seconds ago   Up 18 seconds   ports   adoring_wu
[root@wuhan ~]#
```

可以看到，后台启动，并不会显示容器状态是启动的。通过交互式启动容器，使用 ctrl+q+p 以不关闭容器的状态退出容器时，会查看到容器启动的状态。

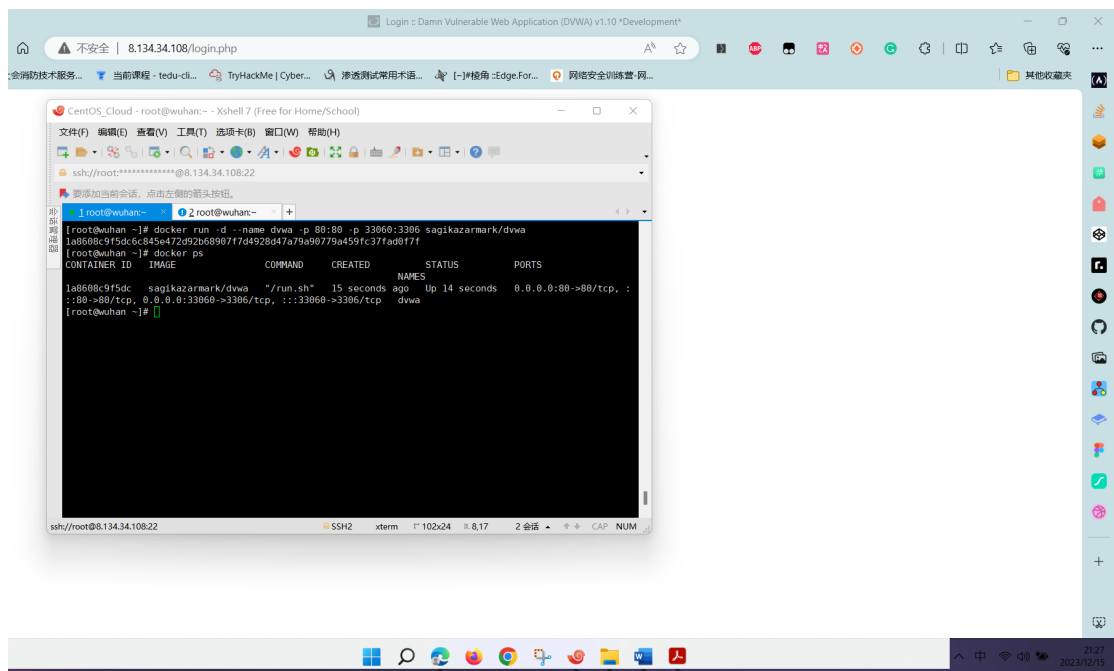
2. 在 Docker 中部署 DVWA，要求：DVWA Web 端口映射到 8081，提供访问截图。

不知道为什么我的 8081 端口访问不了

```
[root@wuhan ~]# docker run -d --name dvwa -p 8080:80 -p 33060:3306 sagikazarmark/dvwa
6c7e536dbf68ca1ffb522ba5c4755897f2ec84375926bd3babf2486d83daa032
[root@wuhan ~]# docker ps
-bash: docer: command not found
[root@wuhan ~]# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS
6c7e536dbf68   sagikazarmark/dvwa    "/run.sh"   46 seconds ago   Up 45 seconds   0.0.0.0:8080->80/tcp, :::8080->80/tcp, 0.0.0.0:33060->3306/tcp, :::33060->3306/tcp
dvwa
[root@wuhan ~]#
```



将 DVWA Web 端口映射到 8080 的映射能访问成功，但是使用 8081 不行。尝试使用别的端口号，比如 80 是可以的。



## MySQL 练习

创建一个名为 GeekTime 的数据库；

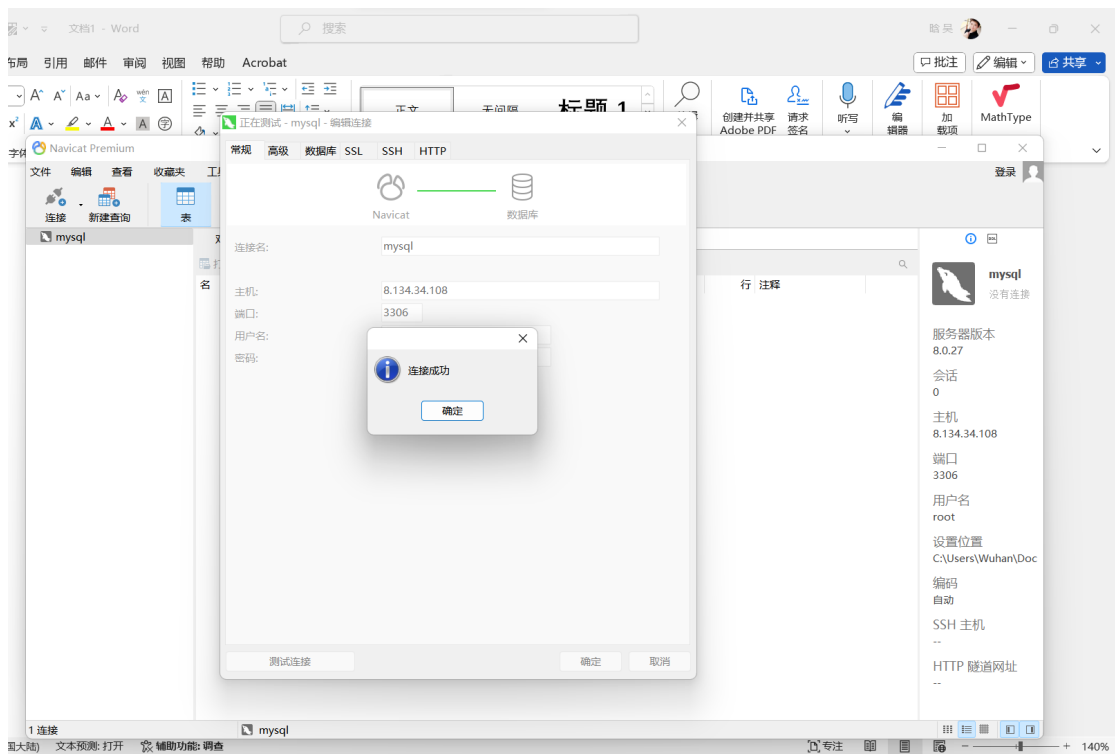
在 GeekTime 数据库中创建一张名为 table\_Sec 的表, 要求有序号、姓名、年龄、性别字段；

在 table\_Sec 表中插入数据, 序号是 20230819, 姓名是拼音缩写, 年龄、性别无要求；

使用 Navicat 连接你所创建的数据库, 查看个人信息并提供截图。

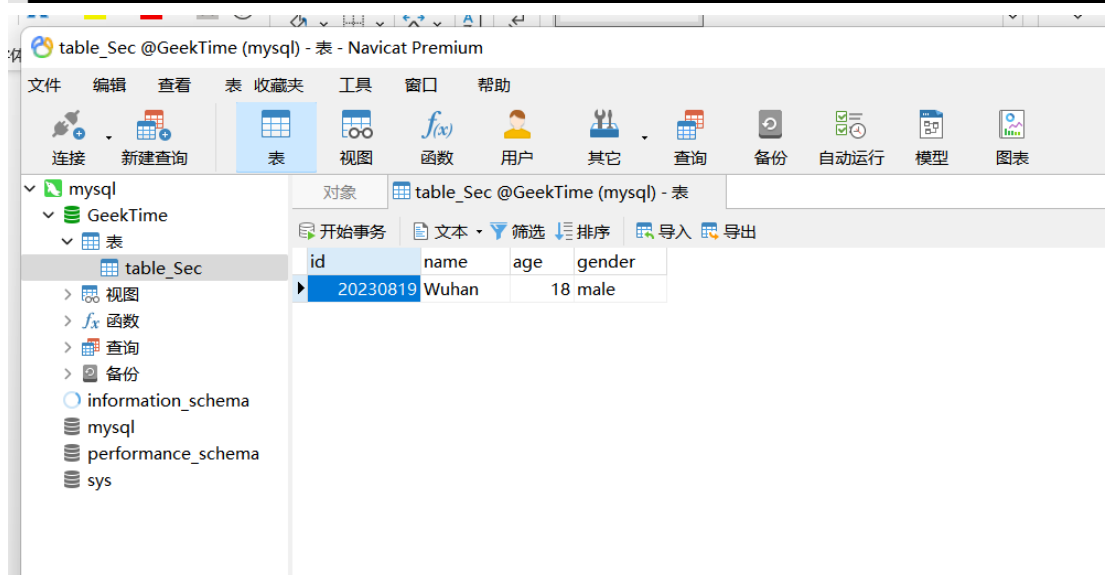
```
1 root@wuhan:~  
[root@wuhan ~]# docker run -p 3306:3306 -e MYSQL_ROOT_PASSWORD=123456 -d mysql:latest  
1166248e9e8dfcef0b6b6d6497022ef41a23ea954610f2e551e80a8fef260a25  
[root@wuhan ~]# docker ps  
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS  
1166248e9e8d   mysql:latest   "docker-entrypoint.s..." 4 seconds ago  Up 3 seconds  0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp  
[root@wuhan ~]# docker exec -it 1166248e9e8d /bin/bash  
root@1166248e9e8d:/# mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 9  
Server version: 8.0.27 MySQL Community Server - GPL  
  
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Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql>
```

```
1 root@wuhan:~  
+-----+  
| information_schema |  
| mysql              |  
| performance_schema |  
| sys                |  
+-----+  
4 rows in set (0.01 sec)  
  
mysql> create database GeekTime;  
Query OK, 1 row affected (0.00 sec)  
  
mysql> show databases;  
+-----+  
| Database           |  
+-----+  
| GeekTime            |  
| information_schema |  
| mysql              |  
| performance_schema |  
| sys                |  
+-----+  
5 rows in set (0.00 sec)  
  
mysql>
```



```
1 root@wuhan:~  
mysql> use GeekTime;  
Database changed  
mysql> create table table_Sec(  
-> id int(4) AUTO_INCREMENT PRIMARY KEY,  
-> name varchar(255),  
-> age int(4),  
-> gender varchar(255)  
-> );  
Query OK, 0 rows affected, 2 warnings (0.02 sec)  
  
mysql> desc table_Sec;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| id    | int           | NO   | PRI | NULL    | auto_increment |  
| name  | varchar(255)  | YES  |     | NULL    |                |  
| age   | int           | YES  |     | NULL    |                |  
| gender | varchar(255)  | YES  |     | NULL    |                |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.00 sec)  
  
mysql>
```

```
1 root@wuhan:~  
mysql> insert into table_Sec value(20230819,'Wuhan',18,'male');  
Query OK, 1 row affected (0.00 sec)  
  
mysql> select * from table_Sec;  
+-----+-----+-----+-----+  
| id    | name  | age  | gender |  
+-----+-----+-----+-----+  
| 20230819 | Wuhan | 18   | male   |  
+-----+-----+-----+-----+  
1 row in set (0.00 sec)  
  
mysql>
```



回顾课件中关于 HTTP 协议的相关知识点，包括格式、请求方法、状态码等，练习使用

HackBar 工具。

