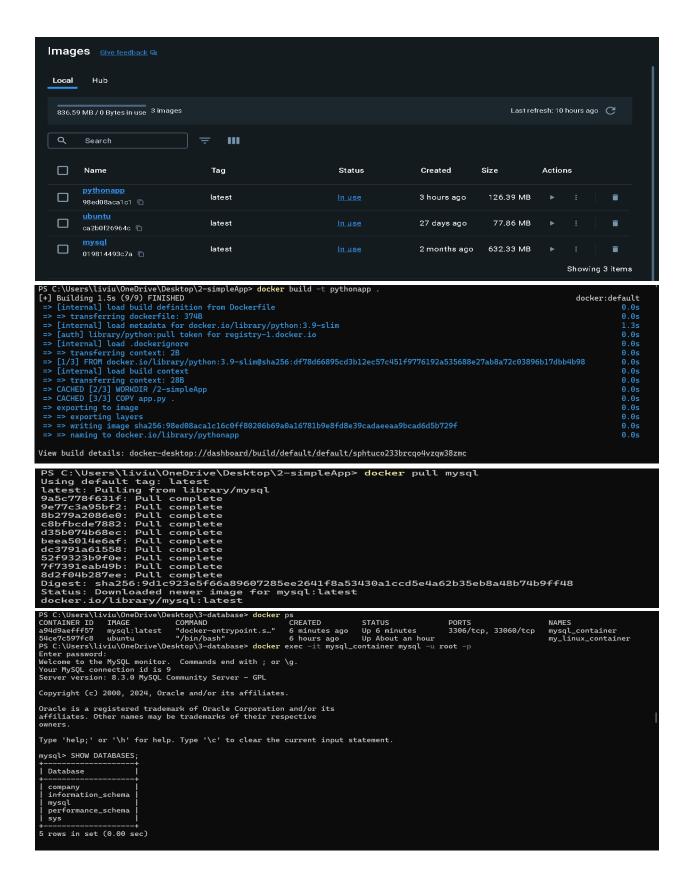
A brief journey

```
PS C:\Users\liviu\OneDrive\Desktop\3-database> docker exec -it my_linux_container /bin/bash root@54ce7c597fc8:/# ls
bin boot dev etc home lib lib32 lib64 libx32 media mnt opt proc root run sbin srv sys tmp usr var root@54ce7c597fc8:/# cd tmp root@54ce7c597fc8:/tmp# ls
1-linux.sh app create_large_file.sh passwd_new
root@54ce7c597fc8:/tmp# ./1-linux.sh
Home directory:
Usernames:
root
daemon
bin
sys
sync
games
man
lp
mail
news
news
uucp
proxy
backup
list
irc
gnats
nobody
 _apt
john
 systemd-network
systemd-resolve
messagebus
 systemd-timesync
Number of users: 24
 Enter username: root
Home directory of root: /root
Users with UID between 1000 and 1010:
john
Users with standard shells:
Users with standard sheets, root john Private IP: 172.17.0.2 Public IP: 185.177.125.213 Switched to user john Home directory of john: /home/john root@54ce7c597fc8:/tmp#
Switched to user john
Home directory of john: /home/john
root@54ce7c597fc8:/tmp# vi 1-linux.sh
                                                                                                                                       How look scripts using vim
 cut -d ':' -f 1 /etc/passwd
private_ip=$(hostname -I | cut -d ' ' -f 1)
echo "Private IP: $private_ip"
                                                                                                                                        write & quit
 :wq

→ docker desktop

   ☐ Containers
                                              Containers Give feedback
   (🔁 Images
                                                                                                                                                                                               Show charts
   Volumes
   Builds
                                                                                          ш
                                                                                                    Only show running containers
   Dev Environments BETA
   Docker Scout
                                                lmage
                                                                                                          Status
                                                                                                                                   CPU (%) Port(s)
                                                                                                                                                                    Last started
                                                                                                                                                                                        Actions
                                                            my_linux_co
                                                                    54ce7c597fc8 ubuntu
                                                                                                          Exited (137)
                                                                                                                                                                    3 hours ago
   Extensions
                                                             goofy_menil
cb448b00b25z
                                                Exited
                                                                                                                                                                    28 minutes ago
   Add Extensions
                                                             mysql_conts
a94d9aefff57 mysql:latest
                                                Exited
                                                                                                                                                                    2 hours ago
                                                                                                                                                                                              Showing 3 items
                         RAM 4.01 GB CPU 0.50% 🏺 Signed in
```



```
PS C:\Users\liviu\OneDrive\Desktop\3-database> docker cp "C:\Users\liviu\OneDrive\Desktop\3-database\company.sql" mysql_container:/var/lib/mysql-files/company.sql
Successfully copied 4.61kB to mysql_container:/var/lib/mysql-files/company.sql
PS C:\Users\liviu\OneDrive\Desktop\3-database> docker exec -it mysql_container mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.3.0 MySQL Community Server - GPL
mysql> SOURCE /var/lib/mysql-files/company.sql;
Query OK, 0 rows affected (0.00 sec)
ERROR 1046 (3D000): No database selected Query OK, 0 rows affected (0.00 sec)
ERROR 1046 (3D000): No database selected Query OK, 0 rows affected (0.00 sec)
ERROR 1366 (HY000): Incorrect integer value: 'Consulting' for column 'department' at row 41 Query OK, 0 rows affected (0.00 sec)
                                                                                                                                                                                                   Problem solved
mysql> CREATE USER 'john'@'localhost' IDENTIFIED BY 'parola_john';
Query OK, 0 rows affected (0.05 sec)
<code>mysql> GRANT ALL PRIVILEGES ON company.* TO 'john'@'localhost'; Query OK, 0 rows affected, 1 warning (0.01 sec)</code>
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.02 sec)
mysql> exit
Bye
PS C:\Users\liviu\OneDrive\Desktop\3-database> docker exec -it mysql_container mysql -u john -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.3.0 MySQL Community Server - GPL
   ysql> SELECT * FROM employees;
     employee_id | first_name | last_name | position | department | salary
                                                                                                                              60000.00
70000.00
55000.00
65000.00
75000.00
50000.00
62000.00
80000.00
48000.00
48000.00
63000.00
                                John
                                                         Doe
Smith
Johnson
Williams
                               Jane
Michael
Emily
William
                      49
50
51
52
53
54
55
56
57
58
                                                         Jones
Brown
Taylor
                               Wittiam
Sarah
James
Olivia
David
Sophia
Benjamin
                                                         Martinez
Anderson
Garcia
                                                          Lopez
                               Emma
Alexande
                                                         Hernandez
Scott
                                                                                                                                63000.00
72000.00
 mysql> SELECT department, AVG(salary) AS average_salary
         -> FROM employees
-> GROUP BY department;
     department | average_salary |
                                  60000.000000
76200.000000
53666.666667
                      2
3
4
5
                                  67250.000000
51500.000000
                                  63500.000000
82000.000000
                                  58500.000000
```