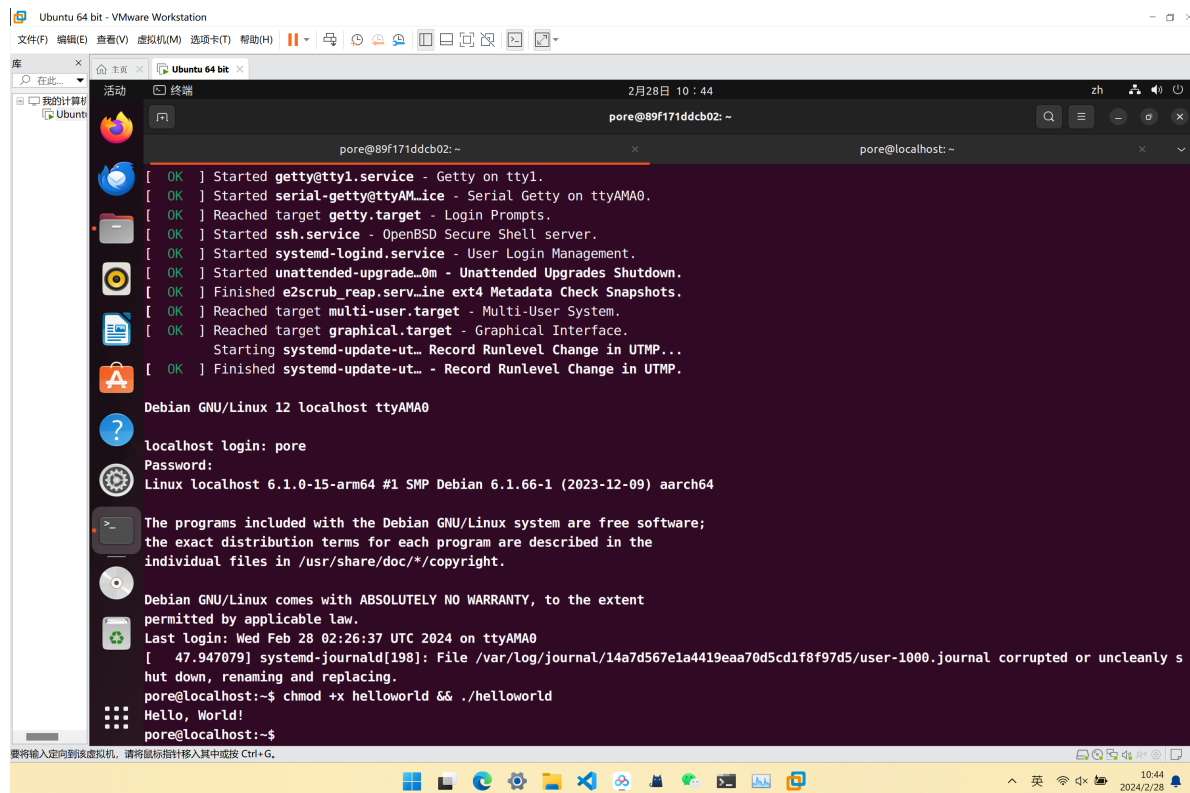


# Lab 1

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每一步环境配置成功的截图：

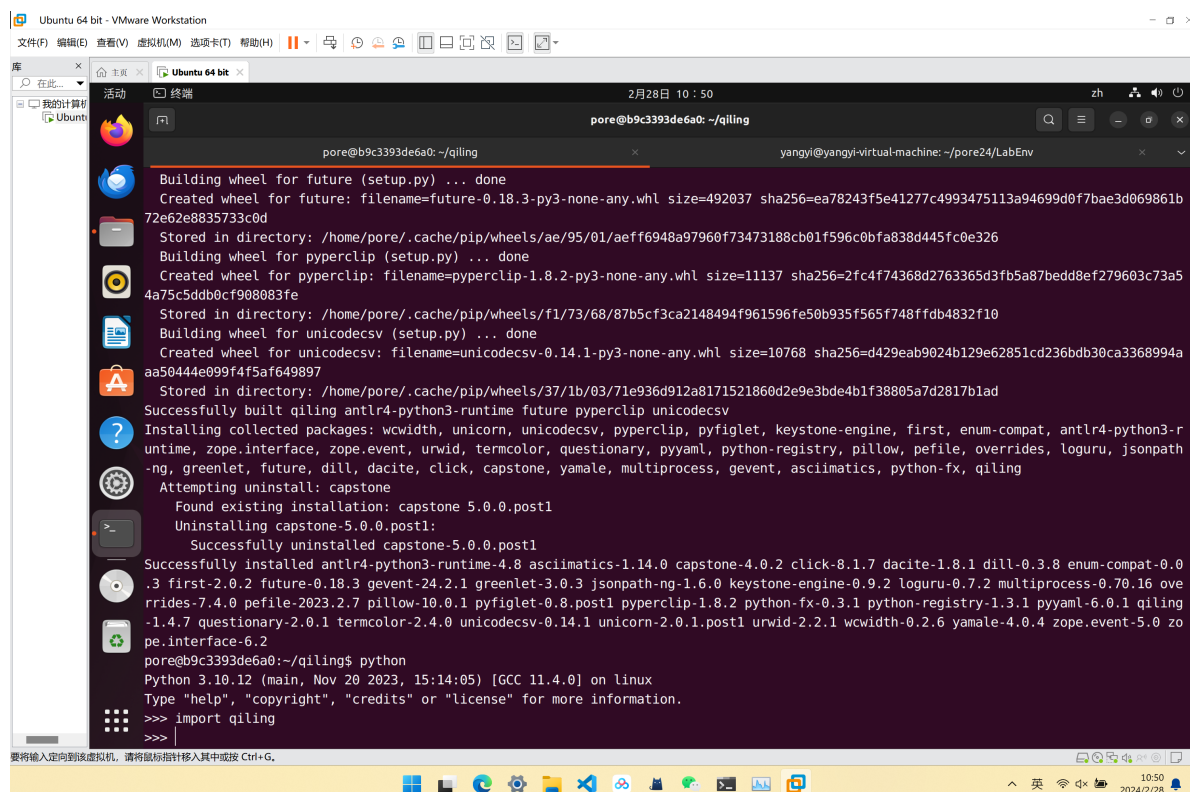


```
Ubuntu 64 bit - VMware Workstation
文件(F) 编辑(E) 查看(V) 虚拟机(M) 选项卡(T) 帮助(H)
库 在此... 活动 终端
pore@89f171ddcb02: ~
[ OK ] Started getty@tty1.service - Getty on tty1.
[ OK ] Started serial-getty@ttyAMA0.service - Serial Getty on ttyAMA0.
[ OK ] Reached target getty.target - Login Prompts.
[ OK ] Started ssh.service - OpenBSD Secure Shell server.
[ OK ] Started systemd-logind.service - User Login Management.
[ OK ] Started unattended-upgrade.timer - Unattended Upgrades Shutdown.
[ OK ] Finished e2scrub_reap.service - ext4 Metadata Check Snapshots.
[ OK ] Reached target multi-user.target - Multi-User System.
[ OK ] Reached target graphical.target - Graphical Interface.
Starting systemd-update-utmp - Record Runlevel Change in UTMP...
[ OK ] Finished systemd-update-utmp - Record Runlevel Change in UTMP.

Debian GNU/Linux 12 localhost ttyAMA0
localhost login: pore
Password:
Linux localhost 6.1.0-15-arm64 #1 SMP Debian 6.1.66-1 (2023-12-09) aarch64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Feb 28 02:26:37 UTC 2024 on ttyAMA0
[ 47.947079] systemd-journald[198]: File /var/log/journal/14a7d567e1a4419eaa70d5cd1f8f97d5/user-1000.journal corrupted or uncleanly shut down, renaming and replacing.
pore@localhost:~$ chmod +x helloworld && ./helloworld
Hello, World!
pore@localhost:~$
```



```
Ubuntu 64 bit - VMware Workstation
文件(F) 编辑(E) 查看(V) 虚拟机(M) 选项卡(T) 帮助(H)
库 在此... 活动 终端
pore@b9c3393de6a0: ~/qiling
Building wheel for future (setup.py) ... done
Created wheel for future: filename=future-0.18.3-py3-none-any.whl size=492037 sha256=ea78243f5e41277c4993475113a94699d0f7bae3d069861b72e62e8835733c0d
Stored in directory: /home/pore/.cache/pip/wheels/ae/95/01/aeff6948a97960f73473188cb01f596c0bfa838d445fc0e326
Building wheel for pyperclip (setup.py) ... done
Created wheel for pyperclip: filename=pyperclip-1.8.2-py3-none-any.whl size=11137 sha256=2fc4f74368d2763365d3fb5a87bedd8ef279603c73a54a75c5ddb0cf908083fe
Stored in directory: /home/pore/.cache/pip/wheels/f1/73/68/87b5cf3ca2148494f961596fe50b935f565f748ffdb4832f10
Building wheel for unicodectv (setup.py) ... done
Created wheel for unicodectv: filename=unicodectv-0.14.1-py3-none-any.whl size=10768 sha256=d429eab9024b129e62851cd236bdb30ca3368994aa50444e099f4f5af649897
Stored in directory: /home/pore/.cache/pip/wheels/37/1b/03/71e936d912a8171521860d2e9e3bde4b1f38805a7d2817b1ad
Successfully built qiling antlr4-python3-runtime future pyperclip unicodectv
Installing collected packages: wcwidth, unicorn, unicodectv, pyperclip, pyfiglet, keystone-engine, first, enum-compat, antlr4-python3-runtime, zope.interface, zope.event, urwid, termcolor, questionnaire, pyyaml, python-registry, pillow, pefile, overrides, loguru, jsonpath-ng, greenlet, future, dill, dacite, click, capstone, yamale, multiprocessing, gevent, asciimatics, python-fx, qiling
Attempting uninstall: capstone
Found existing installation: capstone 5.0.0.post1
Uninstalling capstone-5.0.0.post1:
Successfully uninstalled capstone-5.0.0.post1
Successfully installed antlr4-python3-runtime-4.8 asciimatics-1.14.0 capstone-4.0.2 click-8.1.7 dacite-1.8.1 dill-0.3.8 enum-compat-0.0.3 first-2.0.2 future-0.18.3 gevent-24.2.1 greenlet-3.0.3 jsonpath-ng-1.6.0 keystone-engine-0.9.2 loguru-0.7.2 multiprocessing-0.70.16 overrides-7.4.0 pefile-2023.2.7 pillow-10.0.1 pyfiglet-0.8.post1 pyperclip-1.8.2 python-fx-0.3.1 python-registry-1.3.1 pyyaml-6.0.1 qiling-1.4.7 questionnaire-2.0.1 termcolor-2.4.0 unicodectv-0.14.1 unicorn-2.0.1.post1 urwid-2.2.1 wcwidth-0.2.6 yamale-4.0.4 zope.event-5.0 zope.interface-6.2
pore@b9c3393de6a0:~/qiling$ python
Python 3.10.12 (main, Nov 20 2023, 15:14:05) [GCC 11.4.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>> import qiling
>>>
```

