센토스7에 파이썬 3.x 대 설치

1 접속후 터미널 마우스 우 클릭하여 [open Terminal]로

New Folder	Shift+Ctrl+N
Paste	Ctrl+V
Select All	Ctrl+A
☑ Keep aligned	
Organize Desktop by Name	
Change Background	
Open Terminal	
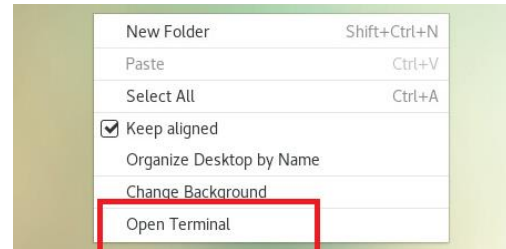
2 [root@hpc-vm-8-02 ~]# **cd /opt**

3 **python**

```
[root@hpc-vm-8-02 opt]
Python 2.7.5 (default, Jun 28 2022, 15:30:04)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-44)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

4 [root@hpc-vm-8-02 ~]# **yum install python3**

하고 메시지 y/n .. 나오면 y 입력하여 enter

5 [root@hpc-vm-8-02 ~]# **python3 --version**

6 **python3**

```
[root@hpc-vm-8-02 opt]
Python 3.6.8 (default, Nov 16 2020, 16:55:22)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-44)] on linux
Type "help", "copyright", "credits" or "license" for more i
>>>
```
exit()

센토스7에 파이썬 3.x 의 모듈설치할 pip 다운로드

```
[root@hpc-vm-8-02 opt]
Loaded plugins: faste
oading mirror speeds from cached hostfile
 * base: mirror.kakao.com
 * epel: mirror-icn.misakamikoto.network
 * extras: mirror.kakao.com
 * updates: mirror.kakao.com
Package python3-pip-9.0 3-8.el7.noarch already installed and latest versio
Nothing to do
[root@hpc-vm-8-02 opt]#
pip 9.0.3 from /usr/lib/python3.6/site-packages (python 3.6)
[root@hpc-vm-8-02 opt]#
```

① yum install python3-pip

pip3 --version

센토스7에 파이썬 가상환경 구축

① pip3 install virtualenv

② virtualenv --version

③ virtualenv py3

④ source py3/bin/activate

```
nettActivator,PythonActivator
[root@hpc-vm-8-02 opt]# source py3/bin/activate
(py3) [root@hpc-vm-8-02 opt]#
```

센토스7에 파이썬 가상환경에 모듈설치

① pip3 install numpy

② pip3 install jupyter notebook

③ jupyter notebook --allow-root

Git 자료 다운로드 (주피터노트북 종료한뒤 작업합니다)

① yum –y install git

② git clone https://github.com/pjm9889/hpcDay1.git