

Date :10/06/24

Linux Commands and fundamentals.

rps@rps-virtual-machine:~/Desktop\$ history

```
1  sudo apt update
2  sudo nano /etc/resolv.conf
3  sudo apt update
4  sudo apt upgrade
5  sudo apt install gcc++
6  sudo apt install gcc
7  sudo apt install build-essentials
8  sudo apt install build-essential
9  sudo apt install gdb
10 init 0
11 gcc --version
12 cd "/home/rps/Desktop/C Demo/" && gcc first.c -o first &&
"/home/rps/Desktop/C Demo/"first
13 sudo su
14 tar xvfz node_exporter-1.7.0.linux-amd64.tar.gz
15 cd node_exporter-1.7.0.linux-amd64/
16 sudo mv node_exporter /usr/local/bin/
17 sudo tee /etc/systemd/system/node_exporter.service<<EOF
18 [Unit]
19 Description=Node Exporter
20 After=network.target
21
22 [Service]
23 User=rps
24 Group=rps
25 Type=simple
26 ExecStart=/usr/local/bin/node_exporter
27
28 [Install]
29 WantedBy=multi-user.target
```

```
30 EOF
31 sudo systemctl daemon-reload
32 sudo systemctl start node_exporter
33 sudo systemctl enable node_exporter
34 sudo systemctl status node_exporter
35 sudo apt install gcc
36 sudo apt install git
37 sudo apt install make
38 sudo apt install vim
39 sudo apt install g++
40 sudo apt install gedit
41 sudo apt install cmake
42 sudo apt install g++
43 cd
44 sudo apt update -y
45 sudo apt install mysql-server
46 sudo systemctl status mysql.service
47 sudo mysql
48 sudo mysql_secure_installation
49 sudo mysql
50 sudo mysql_secure_installation
51 sudo mysql -u root -p
52 sudo snap install mysql-workbench-community
53 cd
54 java -version
55 java --version
56 java -V
57 java -vesion
58 cd
59 sudo apt install gnome-shell-extension-manager -y
60 sudo chmod o-x /sbin/shutdown
61 sudo chmod o-x /sbin/reboot
62 init 0
```

```
63 init 6
64 java -version
65 sudo apt update
66 java -version
67 sudo apt install default-jre
68 java -version
69 sudo apt install default-jdk
70 javac -version
71 sudo snap install --classic eclipse
72 sudo apt update
73 sudo apt install default-jre
74 eclipse
75 sudo snap install intellij-idea-community --classic
76 sudo init 0
77 sudo bash install.sh
78 sudo apt --fix-broken install
79 sudo bash install.sh
80 cd
81 sudo apt install git -y
82 sudo init 0
83 sudo service oracle-xe start
84 ls
85 ls /Desktop
86 cd Desktop
87 cd ..
88 cd Desktop
89 pwd
90 mkdir test
91 rmdir test
92 touch file1.txt
93 gzip file1.txt
94 rm file1
95 rm file1.txt.gz
```

```
96 cd ..
97 cd Desktop
98 touch file1
99 rm file1
100 touch file1.txt
101 vim file1.txt
102 sort file1.txt
103 sort -r file1.txt
104 vim file1.txt
105 sort -r file1.txt
106 man sort
107 uniq file1.txt
108 vim file1.txt
109 uniq -u file1.txt
110 sort file1.txt | uniq -u
111 sort file1.txt | uniq -d
112 sort file1.txt | uniq -c | sort -nr
113 vim file2.txt
114 diff file1.txt file2.txt
115 echo "hello"
116 echo "hello" file3.txt
117 echo "The path variable is $PATH"
118 echo *
119 echo f*
120 echo a*
121 echo `
```

```
echo $(ls -al)
```

```
,
```

```
122 echo {1..10}
123 chown x file1.txt
124 chown rps file1.txt
```

```
125 ls -al
126 chmod a+r file1.txt
127 ls -al
128 umask
129 umask -s
130 umask -S
131 du
132 du *
133 du -h
134 du -h Desktop | sort -nr
135 cd..
136 cd ..
137 du -h Desktop | sort -nr
138 cd Desktop
139 df
140 df -h
141 df dev
142 basename file1.txt
143 dirname file1.txt
144 cd ..
145 dirname Desktop/file1.txt
146 cd Desktop
147 ps
148 ps ax
149 type ls
150 type cat
151 type pwd
152 type top
153 which ls
154 which docker
155 who
156 who am i
157 ping google.com
```

158 traceroute google.com

159 clear

160 history

161 crontab -l

162 uname

163 uname -mp

164 uname -srv

165 uname -n

166 uname -a

167 printenv PATH

168 history