

Tugas 5

shell

1. Source Code cekhost3.py

```
import os

fname = "ip.txt"
fd = open(fname)

fname1 = "status.csv"
fd1 = open(fname1, "a")

pattern = "3 received"

for ip in fd.readlines() :
    status = "Down"
    outx = None
    # strip untuk menghilangkan karakter \n
    ipx = ip.strip()

    cmd = "ping -q -c3 %s" %(ipx)
    fp = os.popen(cmd)
    outx = fp.read()

    if outx.find(pattern) > -1 :
        status = "Up"

    cmd1 = "date +%F %X"
    fp1 = os.popen(cmd1)
    outx1 = fp1.read()
    outx1 = outx1.strip()

    print("Host %s is %s" %(ipx, status))
    fd1.write("%s;%s;%s\n" %(outx1, ipx, status))
```

- Hasil Compile

```
mazharrasyad@lenovo:/opt/lampp/htdocs/Pemrograman-Sistem-dan-Jaringan/Pertemuan 7$ python3.7 cekhost3.py
Host 8.8.8.8 is Up
Host 8.8.4.4 is Up
Host 8.8.92.2 is Down
Host 203.190.242.211 is Up
Host 103.49.221.211 is Up
```

```
status.csv x
1 2019-04-03 07:52:16;8.8.8.8;Up
2 2019-04-03 07:52:18;8.8.4.4;Up
3 2019-04-03 07:52:30;8.8.92.2;Down
4 2019-04-03 07:52:32;203.190.242.211;Up
5 2019-04-03 07:52:34;103.49.221.211;Up
6 2019-04-03 07:54:24;8.8.8.8;Up
7 2019-04-03 07:54:26;8.8.4.4;Up
8 2019-04-03 07:54:38;8.8.92.2;Down
9 2019-04-03 07:54:40;203.190.242.211;Up
10 2019-04-03 07:54:42;103.49.221.211;Up
11 2019-04-09 11:48:59;8.8.8.8;Up
12 2019-04-09 11:49:01;8.8.4.4;Up
13 2019-04-09 11:49:13;8.8.92.2;Down
14 2019-04-09 11:49:15;203.190.242.211;Up
15 2019-04-09 11:49:17;103.49.221.211;Up
16
```