**Assignment Number 2**

Python with Kali Linux

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**Title:** Write a program to scan network for host active status.

# Code:

from scapy.all import \*

conf.verb = 0

print("Scanning the network 192.168.1.\* to know the host status!!")

print("Host Active status is as follows:\n\n")

for i in range(100,120):

ip = "192.168.1."+str(i)

#Sending ICMP request to the destination IP

request = IP(dst=ip,ttl=10)/ICMP()

#Sending data on the network and receiving the reply into reply variable

reply = sr1(request,timeout=2)

#If host is down, then reply variable is None

if (reply is None):

print(ip + " is Down")

else:

print(ip + " is Up")

# Output:

"""------------OUTPUT------------------------------

root@kali:~# /Work\_stuff/FinalYear/Kali/Network\_scan$ sudo python network\_host\_status.py

Scanning the network to know the host status!!

Host Active status is as follows:

192.168.1.100 is Down

192.168.1.101 is Down

192.168.1.102 is Up

192.168.1.103 is Up

192.168.1.104 is Down

192.168.1.105 is Down

192.168.1.106 is Down

192.168.1.107 is Down

192.168.1.108 is Up

192.168.1.109 is Down

192.168.1.110 is Down

192.168.1.111 is Down

192.168.1.112 is Down

192.168.1.113 is Down

192.168.1.114 is Down

192.168.1.115 is Down

192.168.1.116 is Down

192.168.1.117 is Down

192.168.1.118 is Down

192.168.1.119 is Down

"""