**Assignment Number 1**

Python with Kali Linux

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

# Code:

import socket

def retBanner(ip, port):

try:

socket.setdefaulttimeout(2) s = socket.socket() s.connect((ip, port))

banner = s.recv(1024) return banner

except:

return

def checkVulns(banner):

if 'FreeFloat Ftp Server (Version 1.00)' in banner: print '[+] FreeFloat FTP Server is vulnerable.'

elif '3Com 3CDaemon FTP Server Version 2.0' in banner: print '[+] 3CDaemon FTP Server is vulnerable.'

elif 'Ability Server 2.34' in banner:

print '[+] Ability FTP Server is vulnerable.' elif 'Sami FTP Server 2.0.2' in banner:

print '[+] Sami FTP Server is vulnerable.'

else:

print '[-] FTP Server is not vulnerable.'

return def main():

portList = [80,110]

for x in range(200, 202):

ip = '11.11.3.' + str(x) for port in portList:

banner = retBanner(ip, port) if banner:

print '[+] ' + ip + ': ' + banner checkVulns(banner)

break if name == ' main ':

main()

# Output:

