**import** datetime  
**import** subprocess  
**import** time  
now = datetime.datetime.now()  
print(**"Today is: "**)  
print(now.strftime(**"%m-%d-%y %H:%M:%S"**))  
start = datetime.datetime.now()  
**import** os  
Host = input(**"enter Host IP: "**)  
print(**"Thank you Ping test commencing on "** + Host + **" now.\n "**)  
pingtest = os.system(**'ping -n 1 {} '**.format(Host))  
result = str(pingtest)  
  
*#if (result.startswith(">0")):  
  
  
#print(pingtest)***if** (result.endswith(**"0"**)):  
 print(**"Host responded Scan progressing automatically now"**)  
**else**:  
 print(**"Error bad Host PING Please retry"**)  
 exit()  
**import** datetime  
now = datetime.datetime.now()  
print(**"Scan start time is: "**)  
print(now.strftime(**"%m-%d-%y %H:%M:%S"**))  
**import** socket  
s = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)  
**def** pscan(Host,port) :  
 **try**:  
 s.connect((Host,port))  
 **return True  
 except**:  
 **return False  
for** x **in** range(1,1026):  
 **if** pscan(Host,x):  
 print(**"Port"**,x, **"is open"**)  
 demo1 = open(**"demo1.txt"**, **"a+"**)  
 demo1.write(**"port "**)  
 demo1.write(str(x))  
 demo1.write(**" is an open port\n"**)  
 print(demo1.read())  
 **else**:  
 print(**"port"**,x, **"is closed!!!!!!!"**)  
print(**"scan complete"**)  
**import** datetime  
end = datetime.datetime.now()  
print(**"Scan end time is: "**)  
print(end.strftime(**"%m-%d-%y %H:%M:%S"**))  
*#calculate elapsed time  
#import time  
#def myFunc():  
# start\_time = time.time()  
# s = 0  
# for i in range ( 1 , n+1):  
# s = s + i  
# end\_time = time.time()  
# return s , end\_time-start\_time  
#n = 5  
#print(myFunc())*totaltime = end - start  
print(**"Time needed to complete scan "**,totaltime)  
demo1.write(**"Elapsed time for scan is "**)  
demo1.write(str(totaltime))  
demo1.write(**"\n"**)  
demo1.close()  
  
exit()