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| Semester | TY Semester V |
| Subject | SDL PYTHON KALI LINUX |
| PRN | 0220190206 |
| Laboratory | CSS |

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#### Write a program to scan network for host active status.

**Code:**

from socket import \*

import time

startTime = time.time()

if \_\_name\_\_ == '\_\_main\_\_':

target = input('Enter the host to be scanned: ')

t\_IP = gethostbyname(target)

print ('Starting scan on host: ', t\_IP)

for i in range(50, 500):

s = socket(AF\_INET, SOCK\_STREAM)

conn = s.connect\_ex((t\_IP, i))

if(conn == 0) :

print ('Port %d: OPEN' % (i,))

s.close()

print('Time taken:', time.time() - startTime)

**Output:**

Enter the host to be scanned: localhost

Starting scan on host: 127.0.0.1

Port 135: OPEN

Port 445: OPEN

Time taken: 452.3990001678467