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# INTRODUCTION TO COMPUTER NETWORKS

## IOT PACKET TRACER

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### ASSIGNMENT-2



BATCH – A

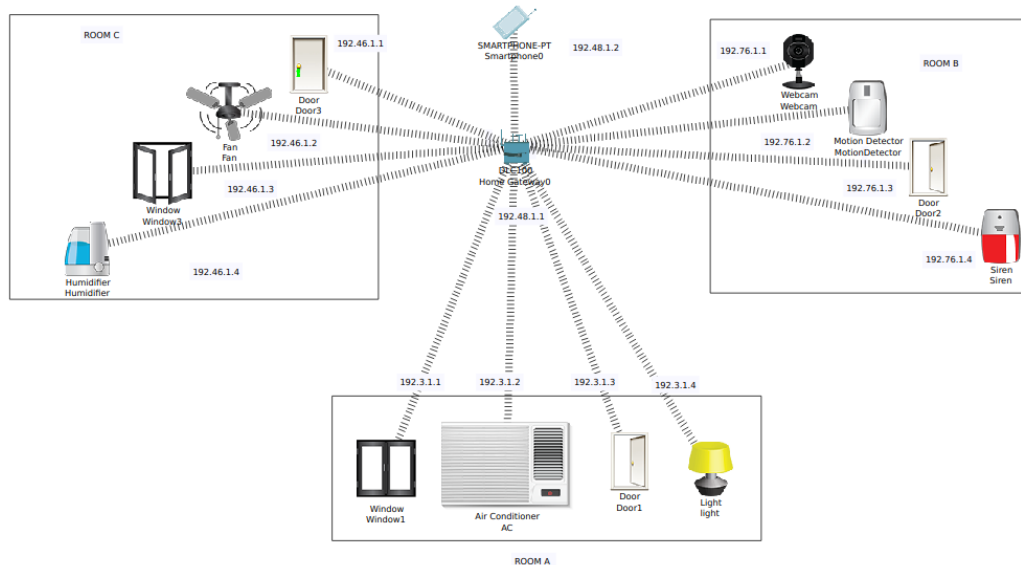
GROUP – 1

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## NETWORK:

The network consists of 3 rooms and all the three rooms are connected by a home gate way and smartphone which helps in operating all the devices with some necessary conditions to fulfill.



## IP ADDRESSING:

For Room A (Just below the home gateway)

Device name	IP ADDRESS
Door	192.3.1.3
Window	192.3.1.1
AC	192.3.1.2
Lamp	192.3.1.4

For Room B (On the right side of home gateway):

Device name	IP address
Web Cam	192.76.1.1
Motion Detector	192.76.1.2
Door	192.76.1.3
Siren	192.76.1.4

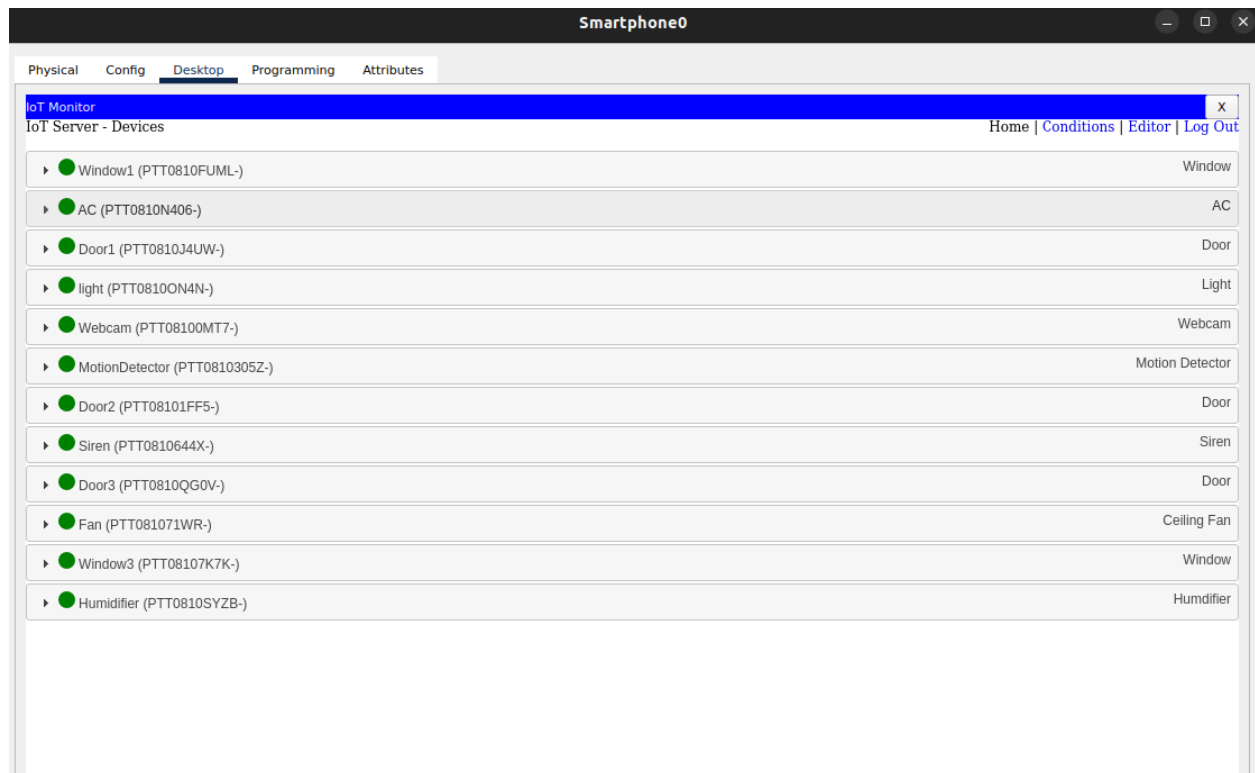
For Room C (On the left side of Home Gateway):

Device name	IP address
Door	192.46.1.1
Fan	192.46.1.2
Window	192.46.1.3
Humidifier	192.46.1.4

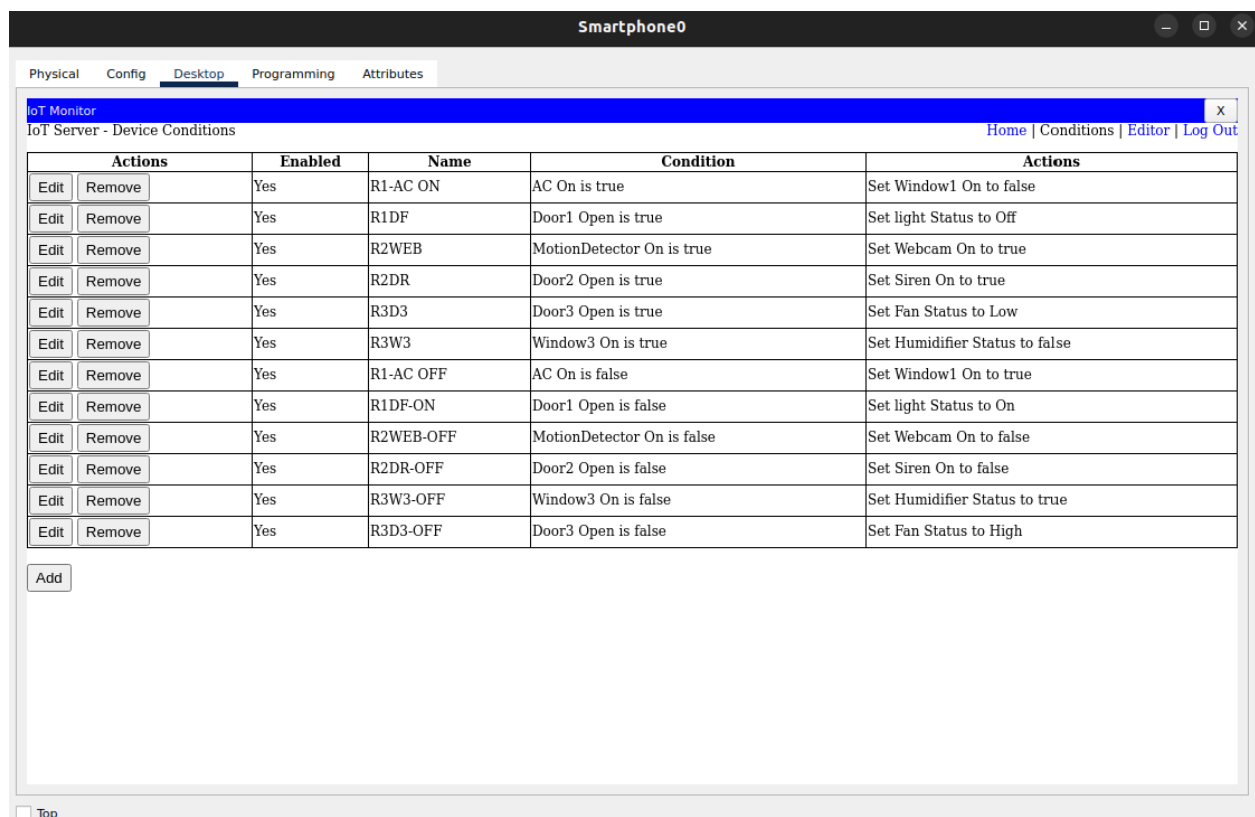
For Smart phone and Home Gateway:

Device name	IP address
Home Gateway	192.48.1.1
Smart Phone	192.48.1.2

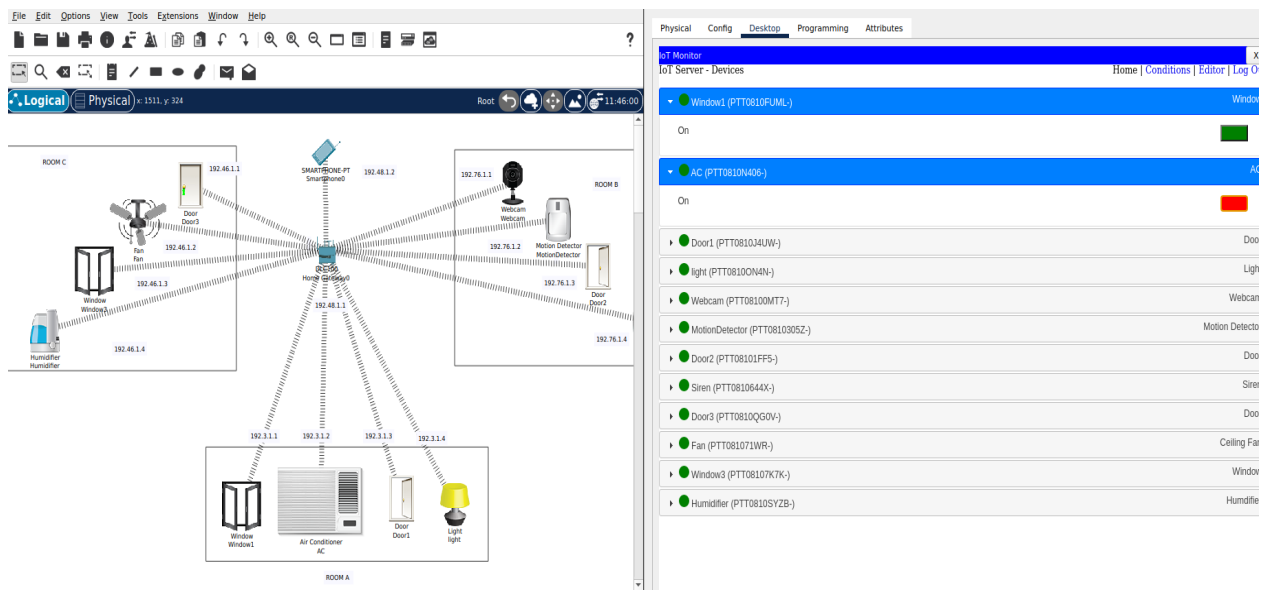
Connection established:



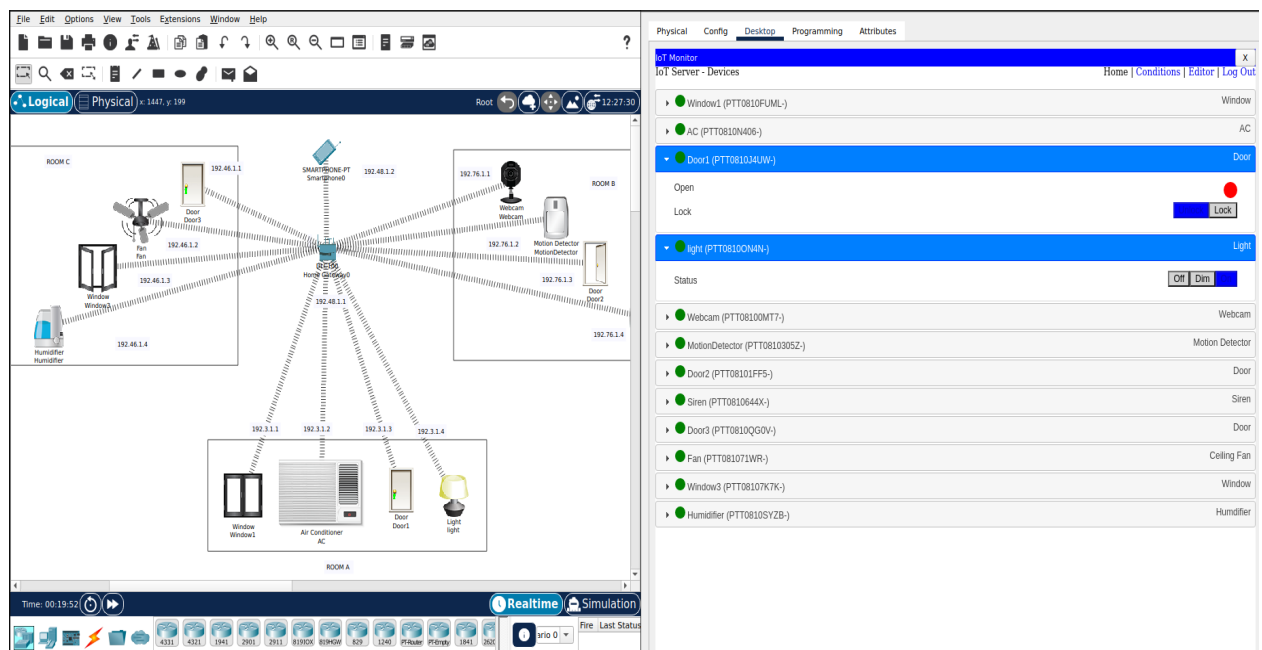
Conditions:



- Room A: 1<sup>st</sup> condition



- Room A: 2<sup>nd</sup> condition:



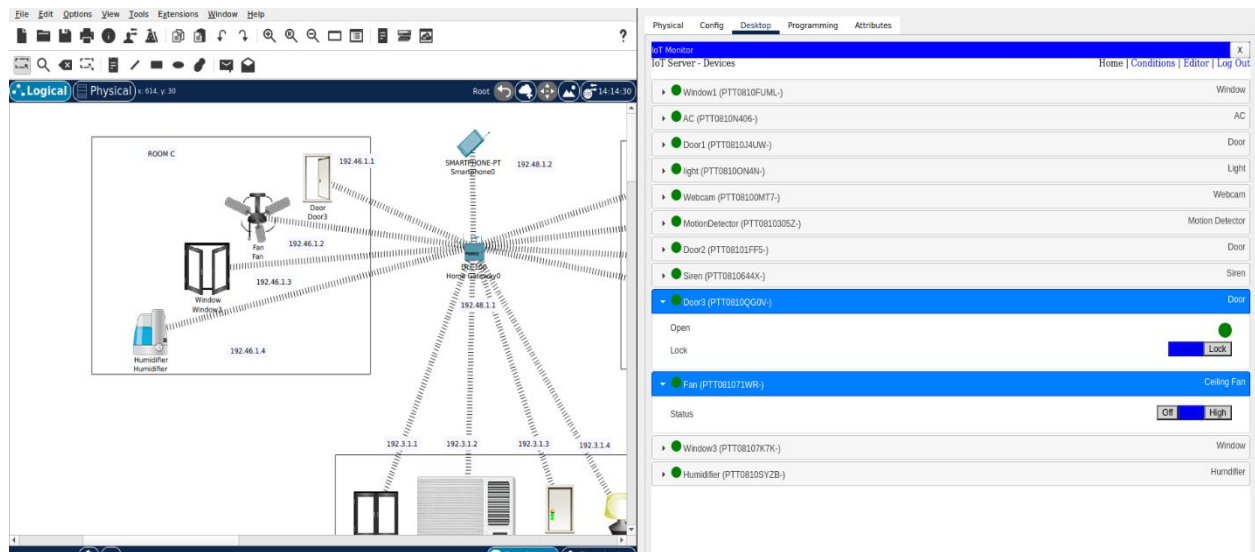
- Room B: 1<sup>st</sup> condition:

The screenshot displays the IoT Monitor interface. The Physical view on the left shows a network diagram with a central router (192.48.1.1) connected to various devices in Room B: Webcam (192.76.1.1), Motion Detector (192.76.1.2), Door2 (192.76.1.3), and Siren (192.76.1.4). The Desktop view on the right lists all devices, with Webcam (PTT08100MT7) and MotionDetector (PTT0810305Z) selected. The Webcam status shows 'On' and 'Image' with a camera icon. The MotionDetector status shows 'On' with a green dot.

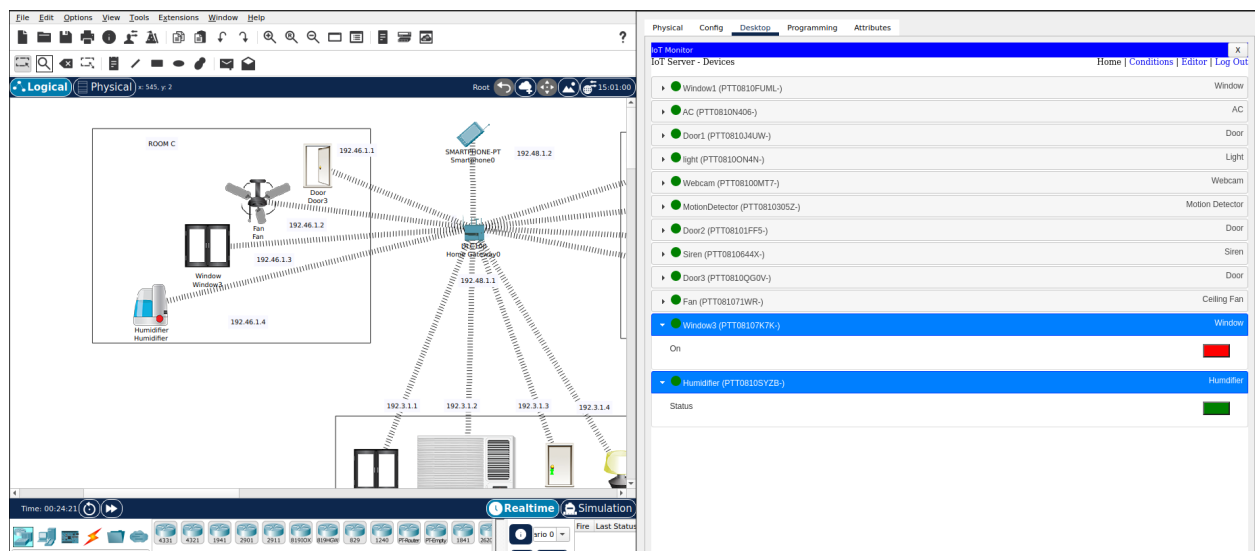
- Room B: 2<sup>nd</sup> condition:

The screenshot displays the IoT Monitor interface. The Physical view on the left is identical to the first condition. The Desktop view on the right shows a different set of selected devices: Door2 (PTT08101FF5) and Siren (PTT0810644X). The Door2 status shows 'Open' and 'Lock' with a red dot and a blue bar. The Siren status shows 'On' with a red bar.

- Room C: 1<sup>st</sup> condition:



- Room C: 2<sup>nd</sup> condition:



**THANK YOU**