Assignment -1 Packet-Tracer 2.3.1.2
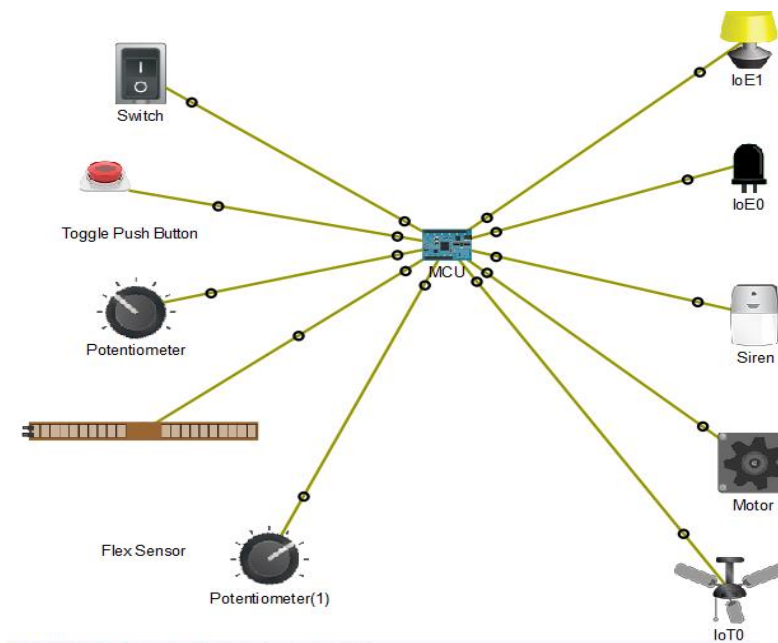
1- Download the assignment -1 file. Pkt
2- Understand the program.
3- Modify the program to make the following:
   a- The switch controls the Led.
   b- The Toggle Push Button controls the Lamp.

Hint (task-3 is solved here https://www.youtube.com/watch?v=y-KfzskaHes&t=91s)

What is the name of the module you should import to work with IoT?

4- Add a Ceiling Fan that should be controlled by potentiometer **(You can any device you like instead the Fan)**

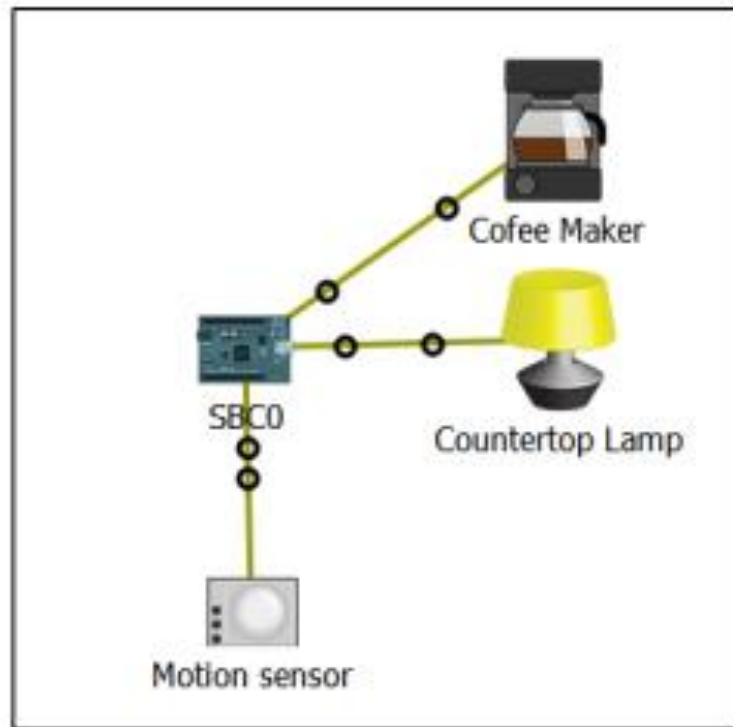The final devices topology should be like this

Assignment -2 Packet-Tracer 3.3.1.4

Build the following IoT topology

1- **When the sensor detects a motion, the coffee machine prepares the coffee and the lamp turns on.**

Hint (task -1 is solved here https://www.youtube.com/watch?v=a8U17r1LPcc&t=492s)

2- Expand the topology in task-1 to be as in the following figure and does this addition task:
  ➢ When the sensor detects motion, in addition to preparing the coffee and turning the lamp on, the speaker should turn on also and the window opens.