**Set up a flask server in the intranet**

1. **Make sure the server machine is accepting packets form other machines in the networks**
   1. Make sure that your HTTP server is listening on [ip-address]:5000 or everywhere(0.0.0.0:5000) by checking the output of netstat -tupln | grep ':5000'
   2. if the server is listening , we have to allow the traffic using iptables

iptables -I INPUT -p tcp --dport 5000 -j ACCEPT

* 1. if the server is not listening we have to apply network commands for system access.
  2. Note from flask’s documentation

Externally Visible Server If you run the server you will notice that the server is only accessible from your own computer, not from any other in the network. This is the default because in debugging mode a user of the application can execute arbitrary Python code on your computer. If you have debug disabled or trust the users on your network, you can make the server publicly available simply by changing the call of the **run()** method to look like this:

app.run(host='0.0.0.0')

* 1. If you want to limit the IP addresses of machines that can connect, you can add something like -m iprange --src-range 10.1.1.4-10.1.1.10 to the iptables command. This example limits connections to a few boxes on my local network, namely 10.1.1.4 to 10.1.1.10, inclusive.(Make sure everything and everymachine should be in same LAN network).
  2. We have to make sure that port 5000 is allowed by all the firewalls.