

**Instructor Name: Palani Karthikeyan.**

### **Problem Statement**

Write a user defined python function named netInfo (netInfo()) that will read the property content file named **ifcfg.conf**. which splits each line into multiple values based on the delimiter (=). convert the splitted data to dictionary and modify the following network parameters like

***onboot** parameter from **no** to **yes***

***bootproto** parameter from **dynamic** to **static***

***defroute** parameter from **yes** to **no***

also **add new entries** to the dictionary like **IPAddress** (IPADDR) and **subnet** (PREFIX) value.

write updated dictionary to a new property file called **net\_ifcfg.conf** file.

The same write updated dictionary to json file (net\_ifcfg.json) format.

In addition, test your working platform is linux or winx.

Create an empty dictionary called netinfo, keep your working os name as a key (ex: netinfo['winx'] <or> netinfo['linux']).

Based on the the os, execute the following commands and append the command results to a list.

Add the command -result-list as value to netinfo dictionary. Also add the netinfo dictionary to existing net\_ifcfg.json file.

Linux commands: **if add , netstat , nmcli gen**

Windows: **powershell Get-Netroute , powershell Get-NetIPAddress**