

**DHCP and DNS Configuration**  
**Program – 10**  
**DHCP Configuration + Internet Connectivity**

**Step 1: Configure the DHCP Server as discussed in Program 5 (DHCP Configuration)**

- **VM1:**
  - **ens3: 10.0.0.20**
  - **ens8: 192.168.122.145**
- **VM2:**
  - **ens3: 10.0.0.9**
- **VM3:**
  - **ens3: 10.0.0.7**

**Step2: Check VM2 has internet Connection**

- **ping [www.google.com](http://www.google.com)**

**Step3: Go to VM1**

- **Type following Command**
  - **sudo -i**
  - **echo 1 > /proc/sys/net/ipv4/ip\_forward**
  - **sudo iptables -P FORWARD ACCEPT**
  - **sudo iptables -P INPUT ACCEPT**
  - **sudo iptables -P OUTPUT ACCEPT**
  - **sudo iptables -t nat -A POSTROUTING -o ens3 -j MASQUERADE**
  - **sudo iptables -t nat -A POSTROUTING -o ens8 -j MASQUERADE**

**Step4: Check VM2 and VM3 for internet Connection**

- **ping [www.google.com](http://www.google.com)**