TWO LINUX MACHINES VIA SWITCH :

1. It is possible to create both virtual interfaces and virtual bridge or switch.
2. To add virtual interface, use “ sudo ip link add <virtual interface name> type veth peer name <another virtual interface> -> to initially form P2P
3. Verify it by using “ip link show”
4. Create a bridge using “ sudo ip link add name <bridge name> type bridge”
5. Add the created interfaces to the bridge by “sudo ip link set <virtual interface> master <bridge name>
6. Enable everything up using “sudo ip link set <interface / bridge name> up
7. Assign every virtual interfaces with IP by “sudo ip addr <ip> dev <virtual interface>
8. Check this LAN setup by pinging from one virtual interface to another as follows:

ping <dest interface ip> -I <source interface name>

1. Check mac address table of created switch by “bridge fdb show”
2. Clean up the resources by “sudo ip link set <virtual interface> nomaster” and “sudo ip link delete <bridge name> type <bridge>