1. Why do we need IP Address if we have Mac Address?  
     
   MAC addresses are layer-2 addresses, while IP addresses are layer-3 addresses. In small networks, we don't need a layer 3 protocol. All devices are directly addressable with MAC. As networks grow bigger and interconnected, layer 3 knows how to get from one network to another using routing on IP.
2. Why does google show only one IP when we do a DNS lookup?

Google uses load balancers as a router, so the connection only reaches one server every time in DNS lookup. Also, it uses low TTL so that DNS servers do not cache one server IP for a long time.



