**Python Socket Module Cookbook:**

Basically **socket** is a networking related library. Below are the functions known to me and used by me:

* **socket.gethostbyname(host\_url)** ==> Get Name of host corresponding to given URL
* **socket.gethostname()** ==> Get the Host name of the current system
* **socket.inet\_aton(ipv4\_address)** ==> Get the Hexadecimal representation of each octet in IP address
* **socket.inet\_ntoa(hex\_rep\_each\_octet)** ==>Get the IPV4 address from octets represented in hex format. Example input is *b'\xac\x10\x01\x01'*
* **socket.getservbyport(port\_number,optional\_protocol)** ==> Get Service name based on the port number. Protocol can be **tcp** or **udp**. For example, port number 443 corresponds to https
* **socket.gethostbyaddr(ipv4\_or\_ipv6\_address)** ==> Returns tuple of host name, alternative host names, and IP Addresses for the host