Project 2

1. In your own words define the following terms;

1. WWW: World wide web. protocol used to browse the web. www and a bunch of LANs

NAT: it is a protocol that enables a router to manage requests from all the devices in the network

b. User account: An established relationship between a **user** and a computer, network or information service**.** User accounts are assigned a user-name.

c. DNS: Domain name server, a device that would translate or resolve IP address to Hostname. It contains the A record which is a list of domanin and IP addresses

d. ip address: is a unique address that identifies a device on the Internet or a local network. It allows a system to be recognized by other systems connected via the Internet protocol. A 32 bit unique number assign to devices in the network by the DHCP or by the systems admin

e. Hub: Used to connect computers together.Does not recognize any other computer in the network

f. LAN: A local area network (LAN) is a network that connects computers and other devices in a relatively small area, typically a single building or a group of buildings. Most LANs connect workstations and personal computers and enable users to access data and devices (e.g., printers and modems) anywhere on the network

g. Wan: Wide Area Network with 2 or more LANs connected together

h. switch: connects computers together in a network, it uses ARP (address resolution protocol) it maps IP to Mac address

i. Router: A network device used to connect two or more LANs .Has a DHCP which is used to distribute IP addresses

j. ping: ping is a computer network administration software utility used to test the reachability of a host on an Internet Protocol (IP) network.

k. peer to peer network: When computers are directly connected to each other. There is no centralised shared resources

l. server - client network; When client computers get all resources from the server.

2. what is the difference between a hub, a switch and a router. A Hub simply connects computers together (dumb device), a switch connects computers together and uses ARP (address resolution protocol), router connects two or more LANs and has a DHCP which is used to distribute IP addresses

3. What is the difference between winscp and putty: Winscp is used to transfer files to and from a server (file transfer application), while putty is used is used to interact with the server directly. it is a command line interface

4- how to you check connectivity between two computers? Through the PING command

5- what is a network ? A network consists of two or more computers that are linked in order to share resources

6- what is the difference between the peer to peer and server client network

7- what is a server ? A server is a computer designed to process requests and deliver data to other (client) computers over a local network or the internet

8- what a default gateway? Device that opens up the network or LAN to the world

9- what url or domain is associated with the ip 151.101.1.67 ?

Fastly error: unknown domain: 151.101.1.67. Please check that this domain has been added to a service.

10- a client calls you and say "I can open the google.com page using its ip address but I cannot do it using google.com."

a- what can be the issue? The DNS can be the problem

b- how can you troubleshoot it ?

11- consider you are sitting on an interview, respond to the question why should we hired you?

-what the job description say?

-talk about the job description, and elaborate what u do as concerns the job description

-Giving my experience i am going to bring in your company

-I am a team player

-willingness to learn new systems

-I am reliable

9- a client calls and says the can open