Christian Ralf Ramos BSIT 4-2

Activity 2

ANSWER

1. A good network security system helps business reduce the risk of falling victim of data theft and sabotage. Network security helps protect your workstations from harmful spyware. It also ensures that shared data is kept secure.
2. A LAN (local area network) is a group of computers and network devices connected together, usually within the same building. A WAN (wide area network), in comparison to a MAN, is not restricted to a geographical location, although it might be confined within the bounds of a state or country.
3. Resource Sharing - The goal is to make all programs, equipments(like printers etc), and especially data, available to anyone on the network without regard to the physical location of the resource and the user.

Server-Client model - One can imagine a company's information system as consisting of one or more databases and some employees who need to access it remotely. In this model, the data is stored on powerful computers called Servers. Often these are centrally housed and maintained by a system administrator. In contrast, the employees have simple machines, called Clients, on their desks, using which they access remote data.

Communication Medium - A computer network can provide a powerful communication medium among employees. Virtually every company that has two or more computers now has e-mail (electronic mail), which employees generally use for a great deal of daily communication

1. Subnet mask

* 255.255.255.0

Cidr Prefix

* 192.10.10.0/24

Usable Ip

* 192.10.10.1 to 192.10.10.254

Network Address

* 192.10.10.0

Broadcast Adress

* 192.10.10.255