

Q. 3

Expert Solution Consults

Computer Training

The advantages of using a network are:

- (a) Data and information sharing
- (b) Resources sharing such as a printer, even if they are not physically connected.
- (c) Reliability and Security
- (d) You can use email
- (e) You can access the internet

TYPES OF NETWORKS

In describing the basics of networking technology, it will be helpful to explain the different types of networks in use.

Local Area Networks (LANs) ⇒

A network is any collection of independent computers that exchange information with each other over a shared communication medium. LANs can be small, linking as few as three computers, but can often link hundreds of computers used by thousands of people.

There is another advance LAN called the Metropolitan Area Network (MAN), used when we consider the distance covered to be between 1 to 10 km unlike the LAN that spans 1 km.

Wireless Local Area Networks (WLANs)

Wireless LANs, or WLANs, use radio frequency (RF) technology to transmit and receive data over the air. This minimizes the need for wired connections. WLANs give users mobility as they allow connection to a local area network without having to be physically connected by a cable. WLANs may also enable network administrators to connect devices that may be physically difficult to reach with a cable.

Intranet: A Secure Internet-Like Network for Organizations

With advancements in browser-based software for the Internet, many private organizations have implemented ~~into~~ intranets. For large organizations, an intranet provides easy access to corporate information for designated employees.