

Explain Fragmentation:

It is the division of a datagram that is too big to send across the network into smaller units to match the MTU of a data link protocol. In an IP header, the fields that are used by this process are the identification number, frag flags and the frag offset. The IP header includes a fixed 20-byte section and a 40-byte section for variable options.

What's the use of the routing table?

The routing table is a data table stored in a router or network host that lists the routes of network destinations. It contains information about the topology of the network around it and next hop associations. They tell a router that a particular destination can be reached by sending the packet to the next hop on the way to the destination.