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1. The kind of switched network the internet uses is a packet switched network.
2. A server waits and listens for connections. Once a connection is made, it accepts them, then receives a request from the client. And sends a response to the client. The server waits for requests to respond to. A client sends requests and receives responses.
3. The role that the OS plays when writing networking programs is that programs have to be written to use the network through the OS.
4. A protocol is a mutually agreed means of communication. A more technical answer is that a protocol is how we transmit data over the wire.
5. The reasons for having a protocol stack and data encapsulation are that each layer of the protocol stack handles a different part of the process of data going out on the network and allows abstraction for every layer (ie. layers don't care about the data encapsulated below them).
6. The only real difference between a wifi network and a wired network, is that a wired network is connected by cables while wifi networks are connected by the same wifi access point. But they both use Ethernet protocol for low level communication.