

Java Networking Interview Questions and Answers Pdf

Question: 1

What is a socket?

Sockets provide the communication mechanism between two computers using TCP.

A client program creates a socket on its end of the communication and attempts to connect that socket to a server.

Question: 2

What is DHCP?

Dynamic Host Configuration Protocol, a piece of the TCP/IP protocol suite that handles the automatic assignment of IP addresses to clients.

Question: 3

What is the difference between TCP and UDP?

These two protocols differ in the way they carry out the action of communicating.

A TCP protocol establishes a two way connection between a pair of computers, while the UDP protocol is a one way message sender.

The common analogy is that TCP is like making a phone call and carrying on a two way communication while UDP is like mailing a letter.

Question: 4

What is SMTP?

Simple Mail Transmission Protocol, the TCP/IP Standard for Internet mails.

SMTP exchanges mail between servers; contrast this with POP, which transmits mail between a server and a client.

Question: 5

What are the seven layers of OSI model?

Application

Presentation

Session

Transport

Network

DataLink

Physical Layer

Question: 6

What transport Layer does?

It ensures that the mail gets to its destination. If a packet fails to get its destination, it handles the process of notifying the sender and requesting that another packet to be sent.

Question: 7

What is the difference between URL instance and URL connection instance?

A URL instance represents the location of a resource, and a URL connection instance represents a link for assessing or communicating with the resource at the location.

Question: 8

When MalformedURLException and UnknownHostException throws?

When the specified URL is not connected then the URL throw MalformedURLException and If InetAddress methods getByName and getLocalHost are unable to resolve the host name they throw an UnknownHostException.

Question: 9

What information is needed to create a TCP Socket?

The Local System's IP Address and Port Number.

And the Remote System's IP Address and Port Number

Question: 10

Which class is used by server applications to obtain a port and listen for client requests?

java.net.ServerSocket class is used by server applications to obtain a port and listen for client requests.