

## Assignment - 4

- (1) "SOAP fault is caused due to client or server failure." State T/F with justification



True

- (2) Give the use of Soap attribute

→ Allows the message to be routed through one or more intermediate nodes before it reaches its final destination.

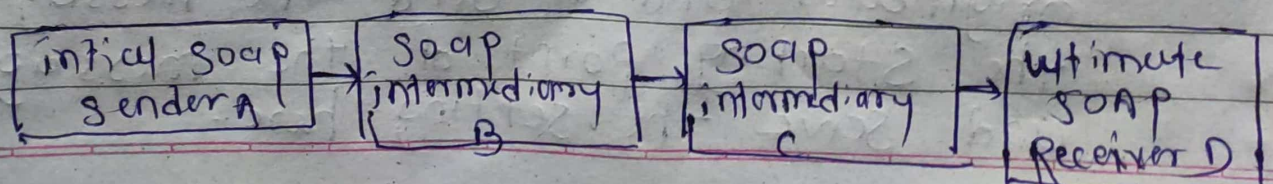
- (3) What do you mean by wire protocol and transport protocol?

→ Wire protocol - In computer networking a wire protocol refers to a way of getting data from point to point.

Transport protocol - Transport protocol runs over the best-efforts IP layer to provide a mechanism for application to communicate with each other without directly interacting with the IP layer.

- (4) What is Soap message path

→ A Soap intermediary is both a SOAP receiver and a SOAP sender.





(5) Give the soap use must understand attributes

→ To indicates whether a header entry is mandatory or optional for the recipient to process

(6) What is soap?

→ (Simple Object Access Protocol) is a message protocol that enables the distributed elements of an application to communicate.

(7) What is method format used in Soap

→ The two most popular data formats are XML and JSON.

(8) What are the steps taken in soap processing model?

→ (i) Soap sender - it is a node that transmit the message received by the receiver.

(ii) Soap receiver - accept the message passed by the user.

(iii) Soap message path - set the path to make it easy for the messages to go along and reach its destination.

(iv) Initial soap sender - is also called



(v) Soap intermediary - between Soap receiver and Soap sender that contains the Soap message.

(vi) Ultimate Soap receiver - is the node where the message gets received finally.

(9) What is the use of having Soap message with attachment

→ If any of the content of message is not in XML format, it must occur in an attachment part

(10) Give the advantages & disadvantage of Soap

→ Advantages

① WS Security - Soap defines its own security known as WS Security.

② Language and platform independent.

Disadvantages -

① Slow

② WSDL dependent - Soap uses WSDL and doesn't have any mechanisms to discover the service.



⑪ Explain short apache axis environment

→

Apache axis is an implementation of the SOAP is lightweight protocol for exchanging structured information in a centralized distributed environment.

It is an XML based protocol.  
apache axis is an open source.