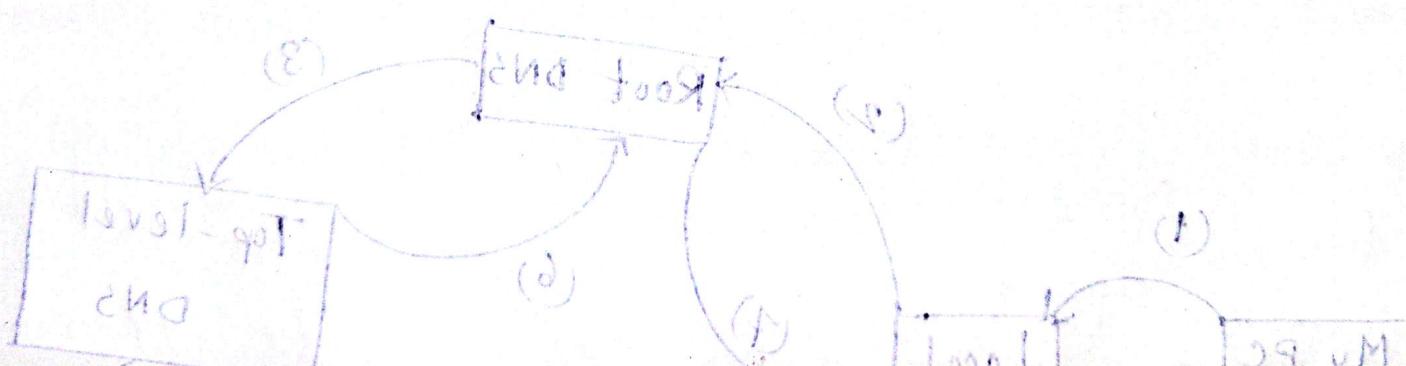


solution: 2

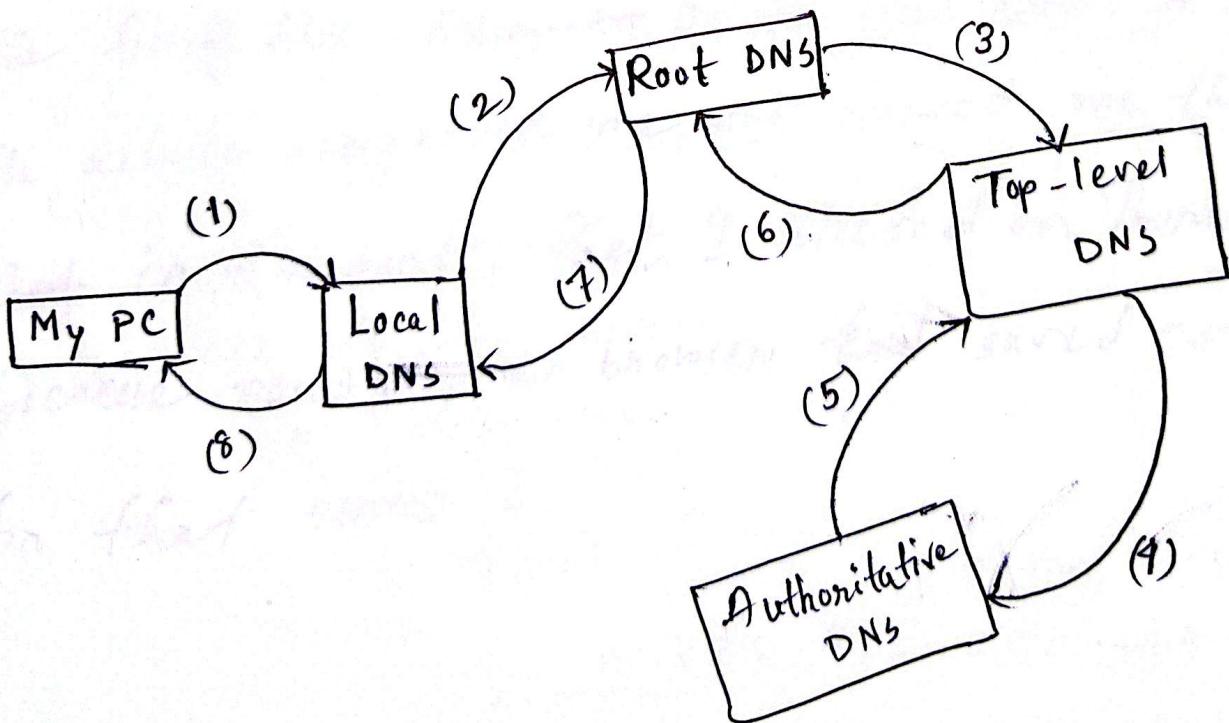
On Thursday, when I visited the Batabd website, my browser didn't have any **cookies** saved for that website. So, the website recognized that I'm a visitor for the first time. On the other hand, on Friday, the website recognized me and showed me the items in the cart that I selected on Thursday because now my server had **saved cookies** for that website.



Solution : 1

Layers 7, 6 and 5 of the OSI model were combined into one layer in the TCP/IP model because in purpose of making things easier to comprehend in real-life app' implementation since these three layers conduct on software level.

Solution : 3



Recursive Query

Solution : 4

If there is no internet connection or weak internet connection the POP3 is more useful than IMAP.

Solution : 5

The main reason for the source port addresses being different is [to differentiate multiple simultaneous TCP connection to the same server]. Also the destination port number is something between ~~0 and~~ [0 to 1023] and the type is [well-known] ports.

Solution: 6

If then the server has already sent the FIN bit to the client and the TCP process already been closed from the server's end, that's when the server doesn't send a FIN bit in response to the client's FIN bit. Instead it delivers ACK to confirm the termination of the TCP connection.

Solution: 7

- $\frac{1.5}{60} \text{ sec}$ (i) $\frac{1.5}{60} \text{ sec} = 0.025 \text{ sec}$

Given,

Server's speed = 60 Mbps, Delay = 7 ms

Size of each object = 1.5 Mb

∴ Transmission time of

$$\begin{aligned}\text{one object} &= \left(\frac{1.5}{60}\right) + 7 \\ &= 32 \text{ ms}\end{aligned}$$