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# COMP90007 Internet Technologies

## Week 11 Workshop

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Semester 2, 2019

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# Question 1

What are the disadvantages of having only one central DNS server that serves all machines connected to the internet?

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## Question 2

What does iterative mode of execution when querying a DNS mean? Where is it used? What is the recursive mode? Please explain with an example.

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# Question 3

What is non-persistent HTTP connections? Explain with an example request.

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## Question 4

What are the benefits of a persistent HTTP connection?

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## Question 5

Give an example execution of an HTTP request with a cookie being used?

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## Question 6

Web Caching can cause problems such as stale data being served to clients. What are the benefits of web caching?

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# Question 7

What is perceptual coding in terms of compressing media to deliver data over the internet? Give two examples?



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## Question 8

What is SMTP protocol and where is it used?

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## Question 9

What are the two missing layers of the OSI protocol that we did not see in the Internet so far? Give one service for each.