Demystifying Networking Prof. Sridhar Iyer Department of Computer Science and Engineering Indian Institute of Technology, Bombay

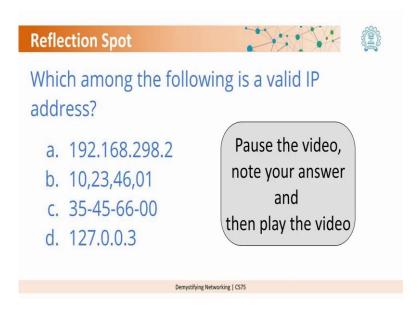
Lecture – 21 Anupam's adventure brings us to IP Addressing

We saw that Anupam had some wonderful adventure, especially when he had to connect that the numbers given in his chit was actually IP address and then follow step by step instructions to reach his destination.

The other interesting thing that the story explained was, four parts of an IP address and each part takes a number from 0 to 255 and creates a unique identifiable address.

At this point, we have a reflection question for you. You have to stop, read the question, note down your answer and then continue with the learning dialogues.

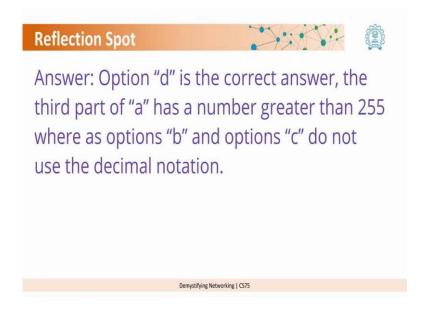
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The question is which among the following is a valid IP address? Option a: 192.168.298.2; Option b: 10, 23,46,01; Option c: 35-45-66-00; Option d: 127.0.0.3

So, those of you who had chosen option d, yes, it is the correct answer.

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So, when we look at option a; option a has a number which is greater than 255. So, it cannot be a valid IP address. For option b and c do not use the dotted decimal notation, they have commas or hyphens.

But there is more about IP address in than just the dotted decimal format. Let us say what sir has to say about IP addressing.