

SNS COLLEGE OF TECHNOLOGY

Coimbatore-36. An Autonomous Institution



COURSE NAME : 19CSB301 COMPUTER NETWORKS

III YEAR/ V SEMESTER

UNIT – I FUNDAMENTALS AND PHYSICAL LAYER

Topic: Data Representation and Data flow

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Data Representation



• Different forms such as text, numbers, images, audio, and video

- Text \rightarrow a bit pattern, a sequence of bits (Os or Is).
- Numbers \rightarrow represented by bit patterns
- Images \rightarrow Pixels, resolution, RGB color images, YCM
- Audio \rightarrow recording or broadcasting of sound or music
- Video \rightarrow picture or movie



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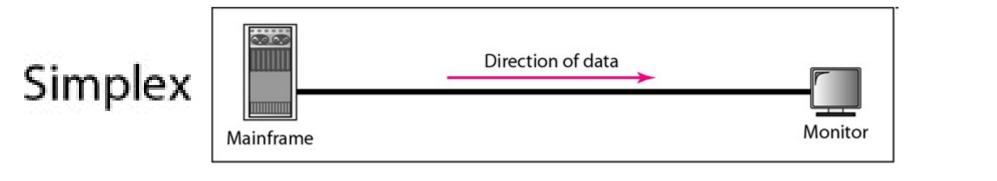
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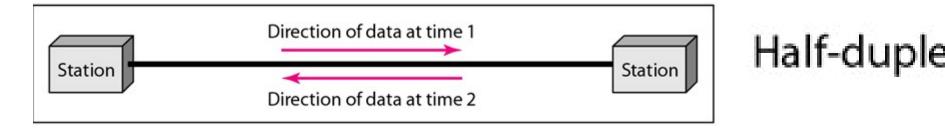


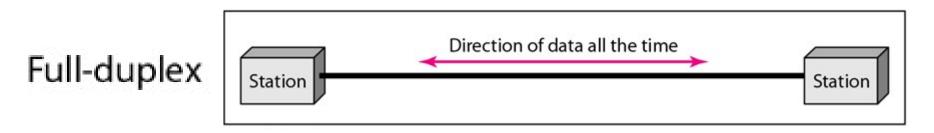
Data Flow



Communication between two devices can be simplex, half-duplex, or full-duplex







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Discussion



Identify and categorize the type of data flow from the below devices .



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- Behrouz A. Forouzan, "Data communication and Networking", Fourth Edition, Tata McGraw – Hill, 2011.
- http://www.cs.iit.edu/~cs660/cs666/666week1.pdf







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