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1. What is linear and non-linear

Linear multimedia systems present the content in a fixed, sequential order. Here are some examples of linear system include:

* Traditional television - programs are being played one after the other in a set schedule. Users can only watch whatever the program is playing at the time. (Fixed)
* Audio cassettes/CDs - music plays in a predetermined order from start to finish. Users can skip ahead/back but cannot rearrange tracks. (Sequential order)

Non-linear multimedia allows users more freedom and interactivity to access content. Here are some examples of non-linear systems include:

* On-demand video platforms like Netflix - users can freely choose what video to watch and when. They can also freely pause, rewind, fast forward, etc. (Freedom)
* DVD menus and scene selection - users can jump directly to whichever chapter or scene they want instead of watching sequentially. (Interactivity to access content)
* Hyperlinked websites - users can click different links to access content in any order they want, not just top to bottom. (Interactivity to access content)

1. Applications of multimedia

* Entertainment - widely used in entertainment industry in areas like movies, video games, music, animated films etc. By combining the audio, video, graphics and interactivity keeps audiences engaged with the content.
  + Education - finds application in e-learning and online education through interactive courses, simulation videos, animated lessons etc. This enhances learners' understanding and information retention.
  + Presentations - PowerPoint presentations, infographics, animated content etc. are highly impactful ways of business presentations. Makes the presentations more interesting and effective.
  + Gaming - forms the foundation of video game industry. The combination of content like animations, sound, video and graphics gives a rich gaming experience.
  + Publishing - From e-books to online magazines, multimedia is integrated with text and images to give better reading experience for users.12

