



1st LECTURE
HL 7 - Computer graphics
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Computer graphics:

are graphics created using computers and, more generally, the representation and manipulation of image data by a computer with help from specialized software and hardware .

Computer graphics has emerged as a sub-field of computer science which studies methods for digitally synthesizing and manipulating visual content. Over the past decade, other specialized fields have been developed like information visualization, and scientific visualization more concerned with "the visualization of three dimensional phenomena (architectural, meteorological, medical, biological, etc)

Image types :

Two-dimensional

Pixel art

Vector graphics

Three-dimensional

Computer animation



Health Level Seven (HL7):

is a non-profit organization involved in the development of international healthcare informatics interoperability standards. "HL7" also refers to some of the specific standards created by the organization (e.g., HL7 v2.x, v3.0, HL7 RIM).

HL7 and its members provide a framework (and related standards) for the exchange, integration, sharing, and retrieval of electronic health information. The 2.x versions of the standards, which support clinical practice and the management, delivery, and evaluation of health services, are the most commonly used in the world .

Why HL 7 ?

The name "Health Level-7" is a reference to the seventh layer of the ISO OSI Reference model also known as the application layer. The name indicates that HL7 focuses on application layer protocols for the health care domain, independent of lower layers. HL7 effectively considers all lower layers merely as tools.