

ARCHITECTURE GRAPHICS

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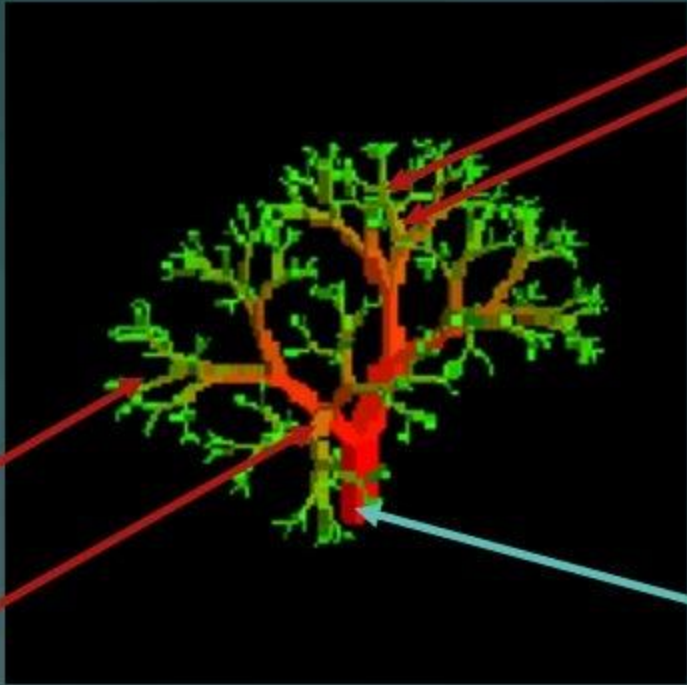
Daffodil Institute of IT,Ctg

TREE



Nature View of a Tree

leaves

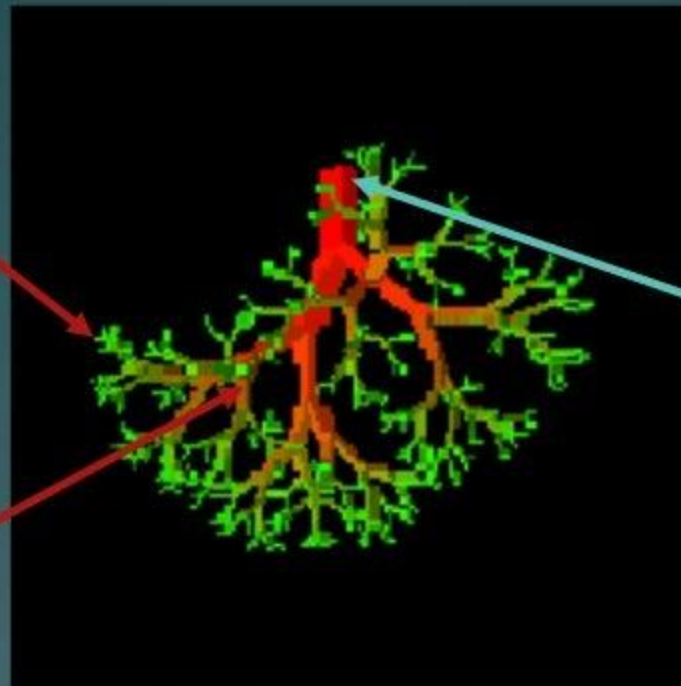


branches

root

Computer Scientist View of a Tree

leaves



root

branches

A tree is a (possibly non-linear) data structure made up of nodes or vertices and edges without having any cycle. The tree with no nodes is called the null or empty tree.

A tree that is not empty consists of a root node and potentially many levels of additional nodes that form a hierarchy.

A *tree* data structure is a powerful tool for organizing data objects based on keys. It is equally useful for organizing multiple data objects in terms of hierarchical