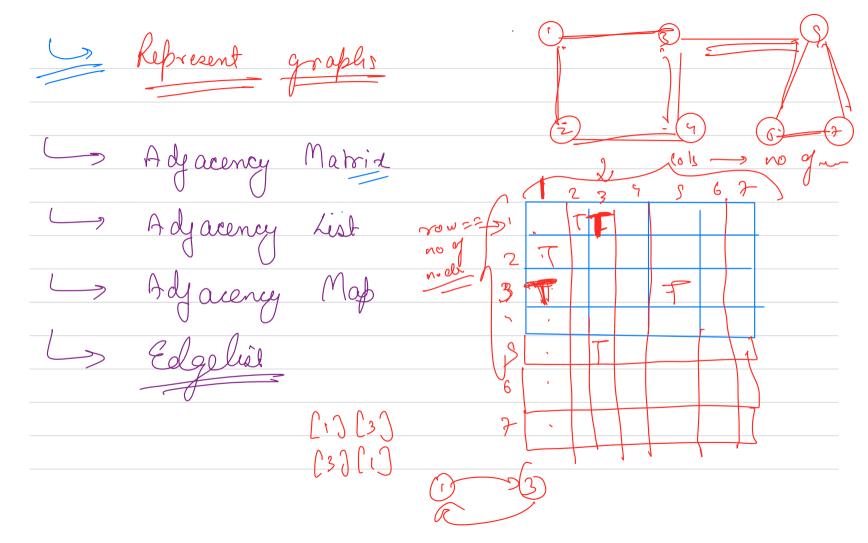


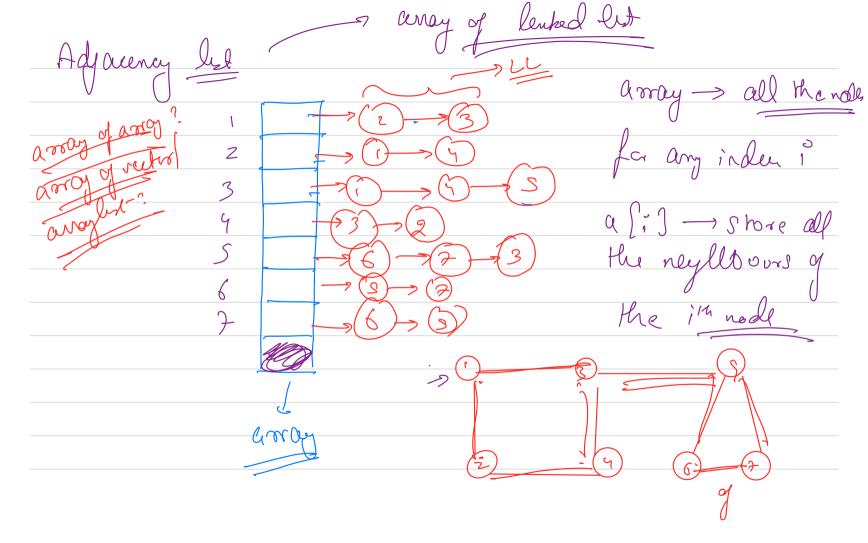
-> Introduction to graphs Poe-ocquisile what we graphs? familiar cult ay 1 programy lay applications C/(++/Jan/ fyll /ruby/ lermino logeis In plementation familiasing welle assays Crenual Pur le if possible lund list

What are graphs?? Ot rath is a non-linear data structure, which compoises of Todes and edges where nodes denote entities and the edges denote the relationship blewer the entilies. Do graph is used to represent clata which is medum of relationship. Shoum or defected via the

applications of graphs -> -> flight fall managend -> google maps
-> facebook's großh Al) -> E-commerce (Retailing -> shortest poets



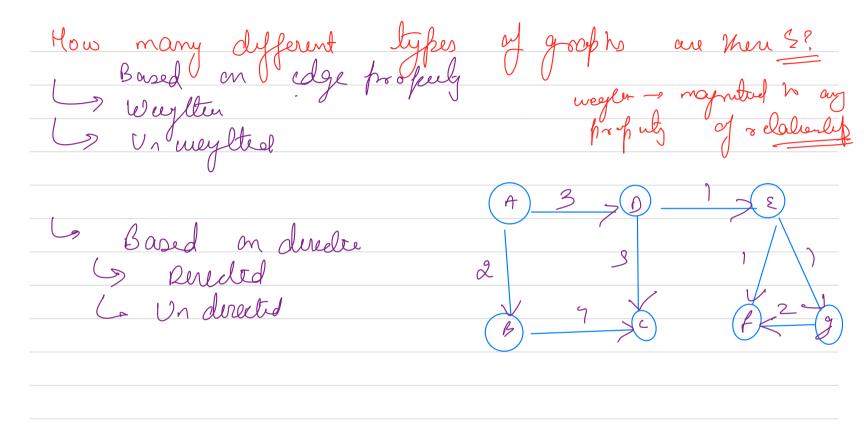
adjancen nahrir - both row & col sepren noch disadvantege - Space n-> nodes

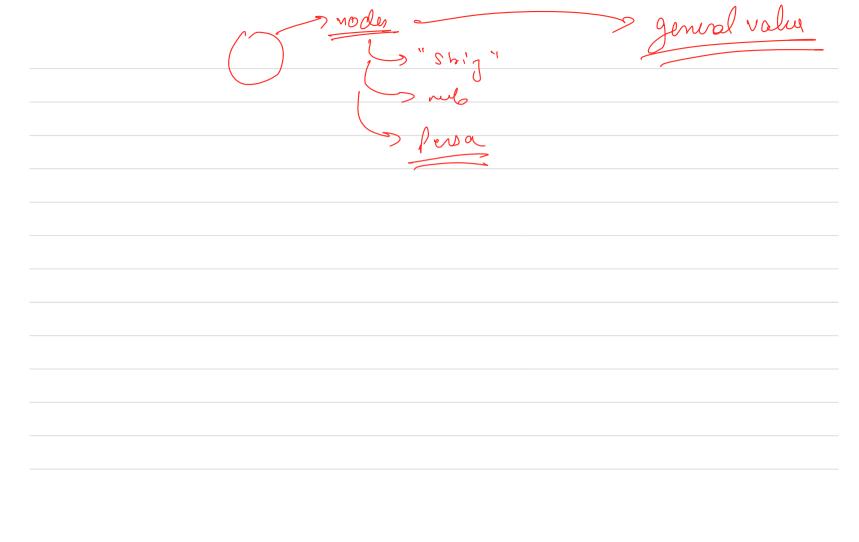


Why we don't has corray of array - s cere don't know m culy we don't use anay of array list weter?? Lkey valu 3, Eken valu uncrdeved-ma indly - value

replibour maps

Src wt





In a gooph we can have cycles 5 of a graph doesn't contains yelle (acyclic graph) it is also called a boll ever graph is a town Eury see is a graph, but not

If from any node of a graph you can real to any orn rode (via any fate), the its a consided graph.