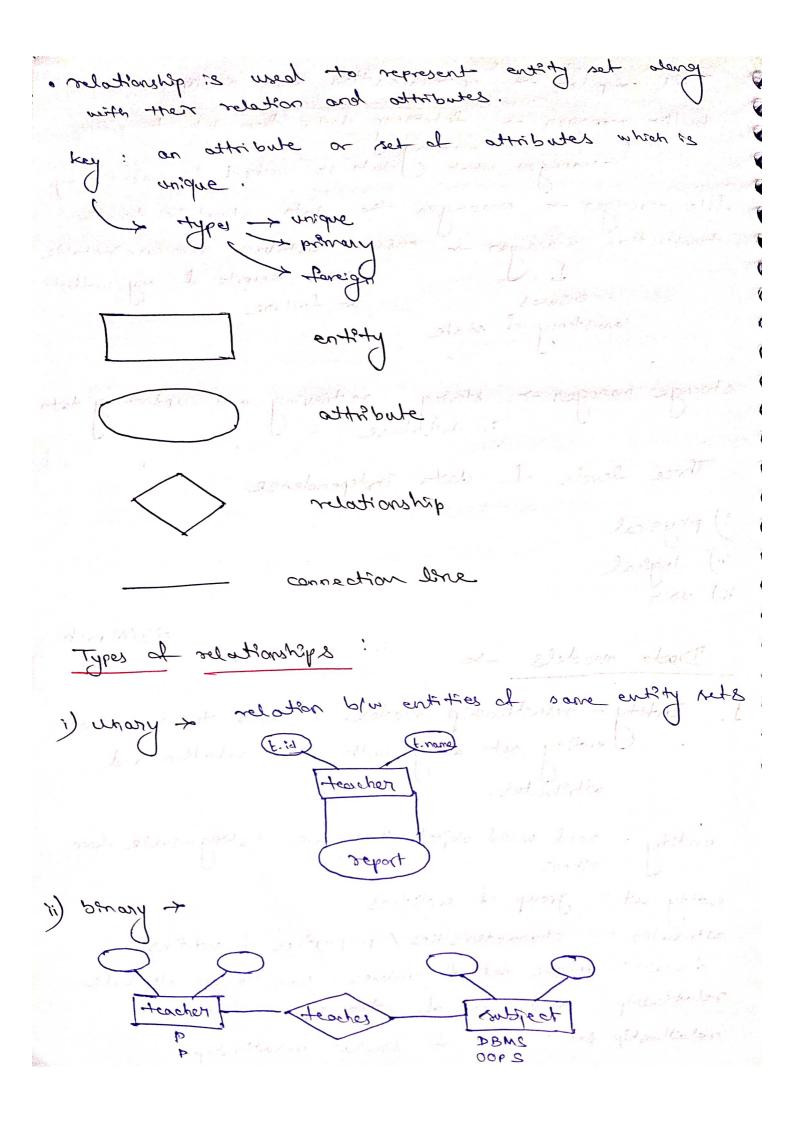
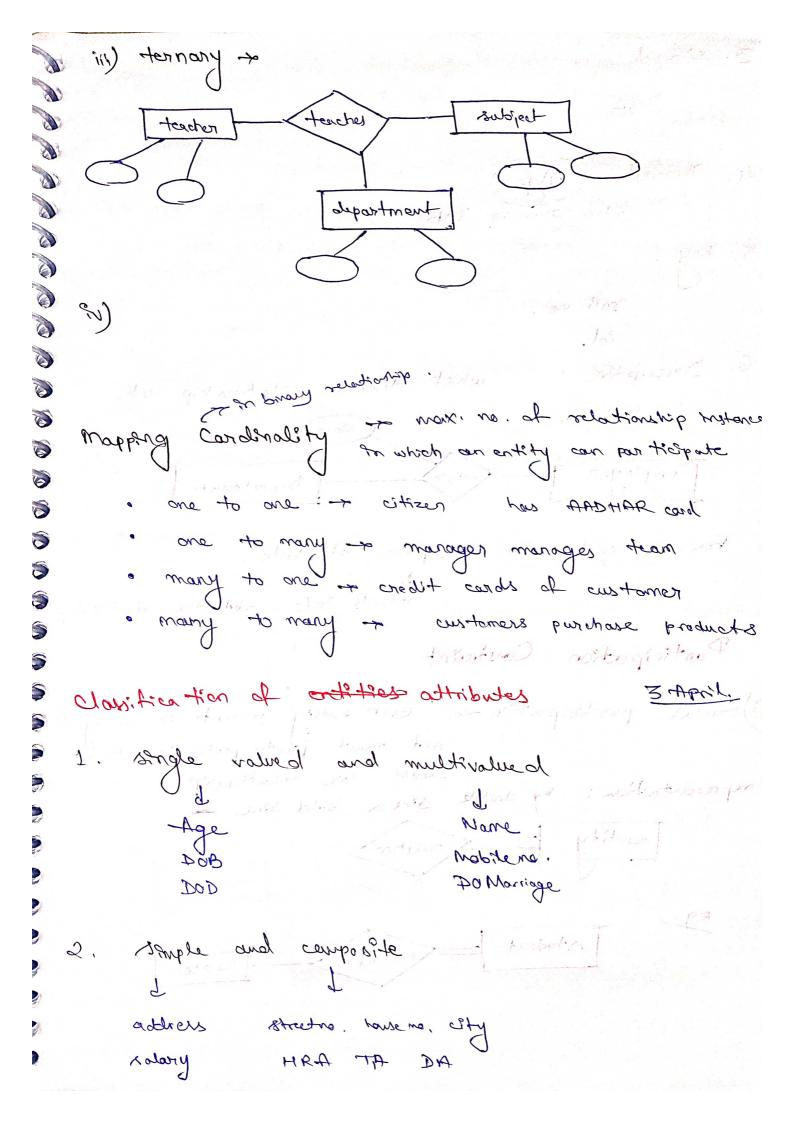


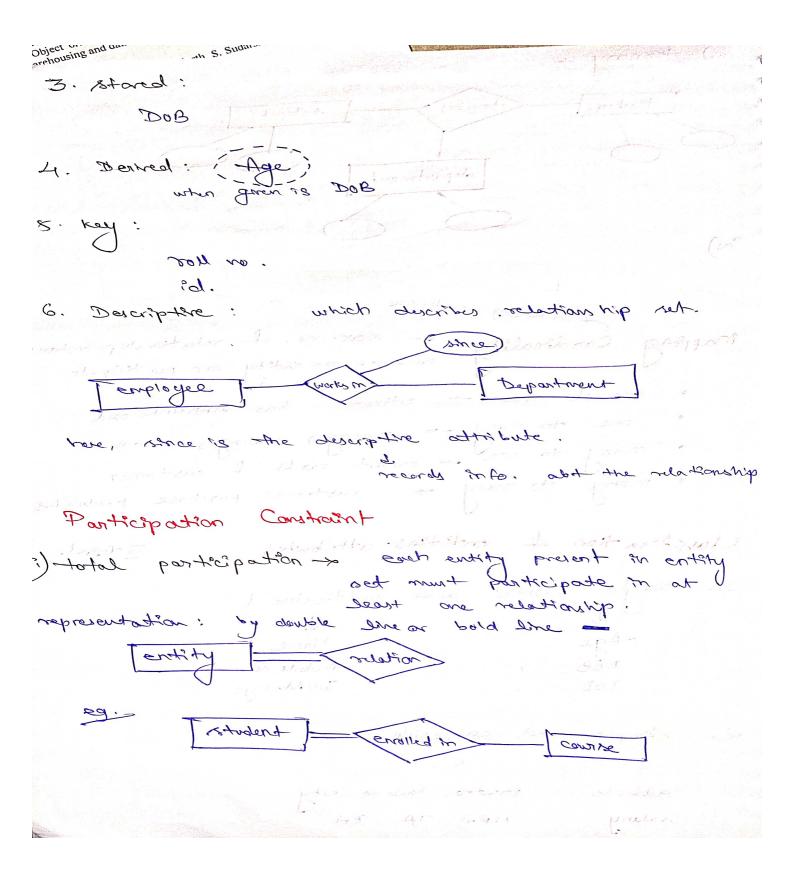
Schema and Instance :-+ logical structure of dostabore - overall design of DB schema densis harried. physical schema Jugical schema reductions and thought protect with the Valor tobular forms and who C> B-tree, B+ tree I to give de rous, column Hypers of the book have book here puty or name of rows & columns instance - the collection of Information stored in a tromom reliestrog to to sadotab schena - description of DB which is specified during a DB at design and 18n't expected to change trequently. JMC defendance - charge create DB schema and also wed to dolute, update the define constraints dota In 6 DB . Topo Creater and defines columns update are a two rows at commands: create commands: retrieve rotho select grob Insert renaux up date truncate delete

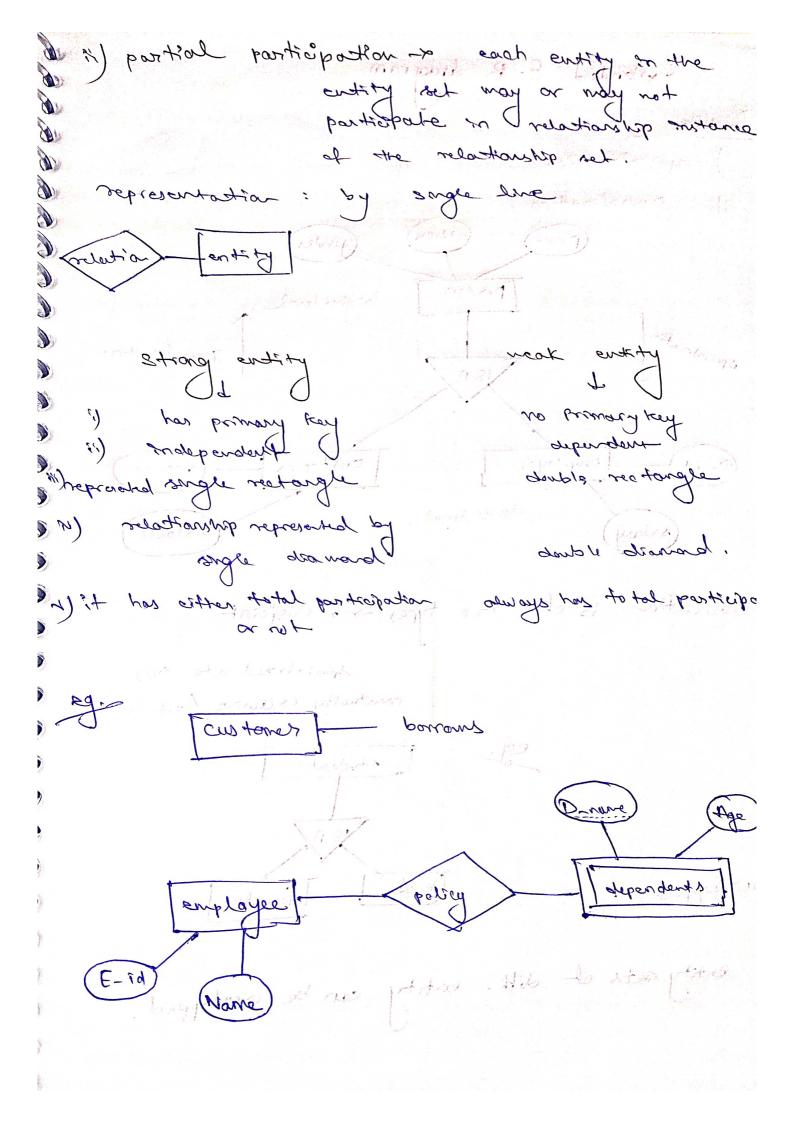
data control larguage constraints: D grant: Front permissions beword port renote: renote permissions foreign key TCL > transaction control language nuidre Men ton commit toll back 7 Save point types of users Sophisticated Specialized application Todo when brodrawnes (aralysts) Ga when (unsophisticated) through no knowledge through program O Raponibilities of DBA 9 Installation, upgrade, admis traton, monitoring, seawing 5 development and design at DB strategies system non-toning · improving performance and capacity planning for totals expansion

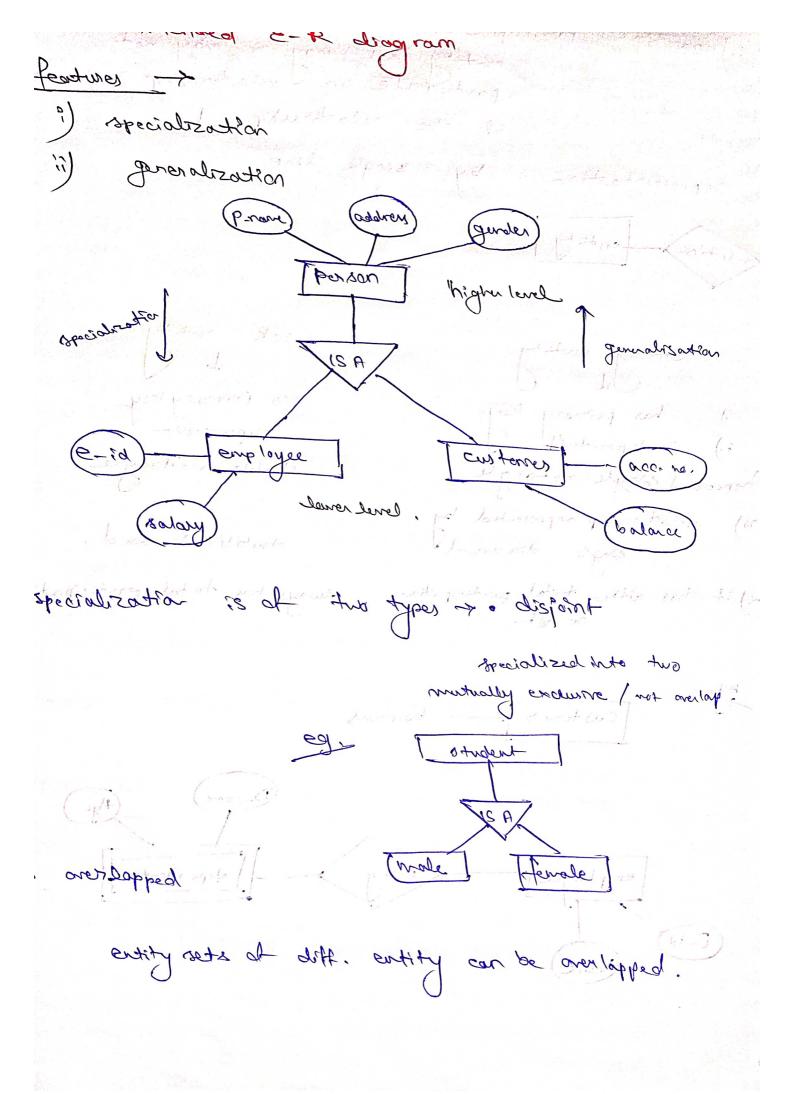
op this ration also occur DML compiler 7 fetching data from disk to room I managed which I dota is cached in main memory tele manager to manages the data stand in disc end we dotabase remains instable transaction warager state despite of any conflict or failure consistency of state storing retireving and updating dat Three levels of data Independence i) physical in) logical iii) user 29/monch supplied to be Data models > 1. Entity-relationship model: used to represent Uentity set along with their relation and attributes. entity: real world abject that are distinguisable from enderly set: group of entetres characteristics / properties of entitles domain: unique set of values given to an attribute relationship: autocation of two or more entitles relationship set: set at smilar relationships











") higher level and lover level entity M) attribute inheritance > higher level attailed can be inherited level eston endity. a relationship set participales other relations hips. of se sonne offers course 1 errolls D Student 3 0 doj 0 works Sounch 5 9 e-id sperary