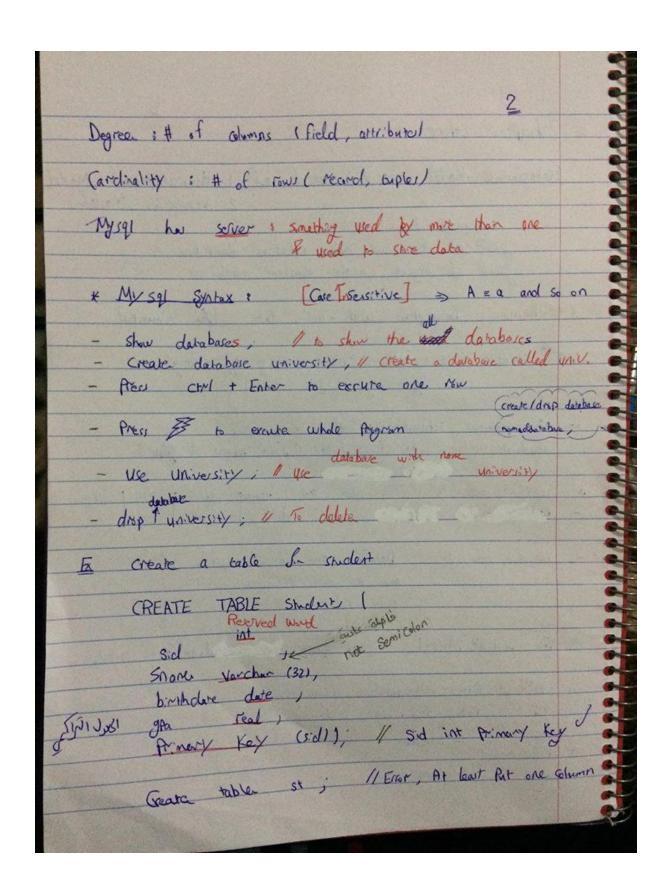
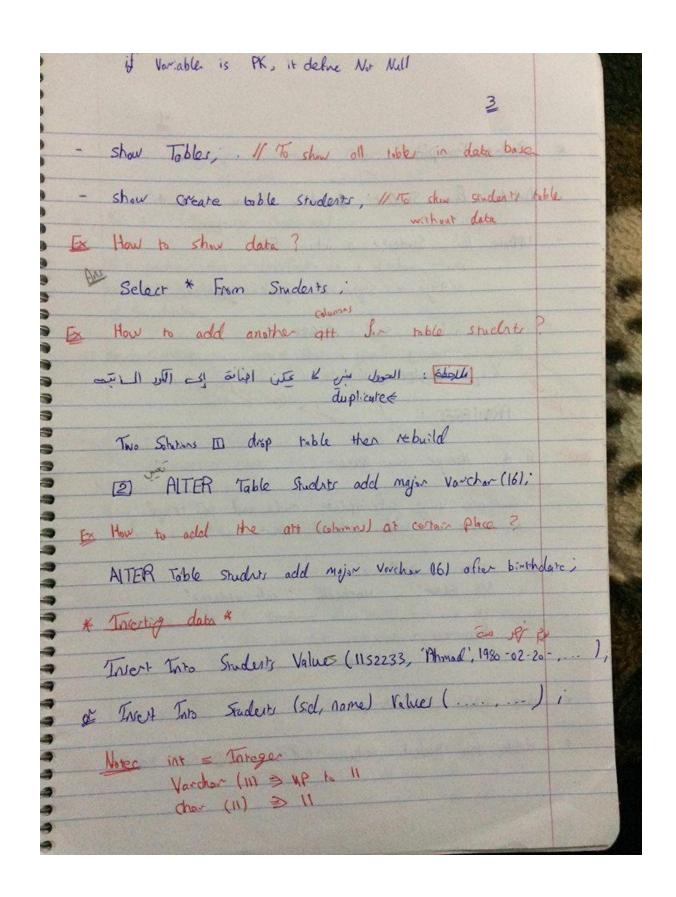
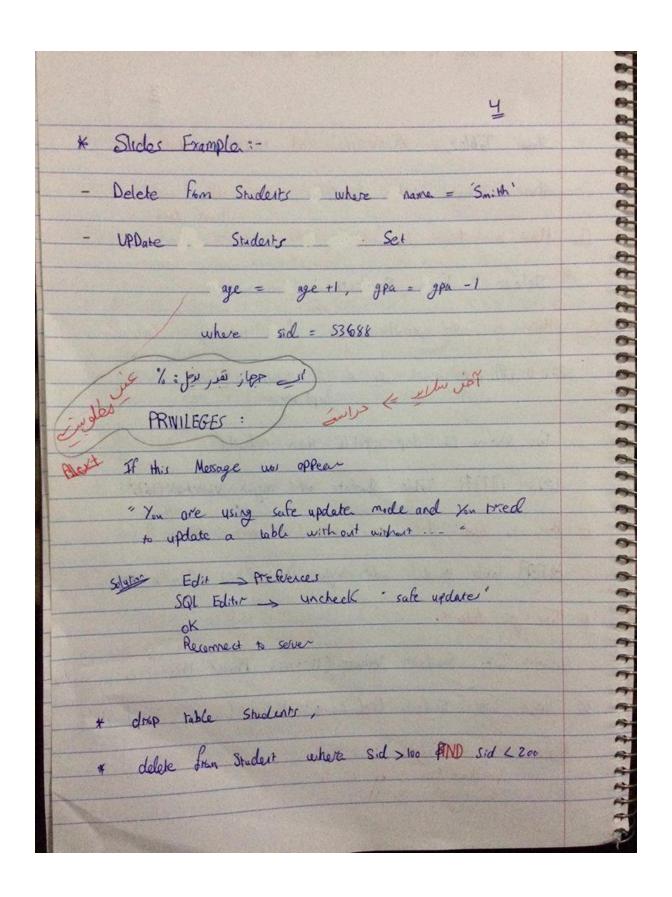
* chapter three !-Relational Model used instead of 1-Hierarchical Model 2- Network Model Idea: Organize data as a group of Relations, such relation describes a group of object with similar attributes * Schema & Dercription with - out data (for columns) execute students (sid & SH.y., name : string . Login & stry ago: intéger, gla : real) > The provious schema says that each record in the students relation he sive Sield I feld name & Type] * instance = data schona sid | name | lyin | oge | gra redundant: St instruct 33666 June Jones Co 18 3.4 * We can Note that is Database Now is a collection of one or more relations each relation is Table # We Will use Mysql' to 1- quary 2-manipulate data 3-relations DML: Data Manipulation Layunge DDL: Data delinition layinge 7 Scheme * relation > instant = duta







5 Integrity Constraints Over Relations ت اعلاما حقالة حقن Ic :-(Integrity Constraints) Is a condition that is specified on a database scheme and restricts the data that can be sweed in an instance of the detabase. Key Consteints :- Statement that a specific minimal subject of the fields of a relation To a unique Telestifier for a hiple الكالمود ٥- أعيد للما كانت الماماً جمعية تسر ميزهم (Contraints (= Label) Key use in No subject of fields in Key (= Key is minimal [2] is a unique Edertifier for a tuple * Keys : -[Composite Key : Compared of more than one attribute ما بلعن الله عدان أمن بغاج اكثر شال ، اليشان يحير باسم الأول ولم العائلة [2] Key attribute: Any attribute that is a faint of Key 3 Super Key: Any Key that uniquely identifies each Man الله خلاله لعبد ألعال كاي دانًا لبي الماهاء ش سُوط تاميا المت ولحد

