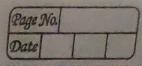


	xuge no.
	pg Nb: 2/86 of Q2 Gign: K. G. Kalows
-1	Data independence and their types.
	Concept of data independence can be explained with help of 3 scheme axchitecture. The three Schema architecture can make it easier be achieve true data independence. Data indepence (an be defined as the (apacity to change one level of schema without changing the sichema at next higher level.
	Types. of Data Independence. a) · Logical Data independence. b) - Physical data independence.
	a) logical Data independence. The 95 the capacity to change conceptual schema without having any change to external schema - seperating external view from conceptual view enables as to change the conceptual view affecting the external view. This seperation is sometimes called logical data independence.
	b). Physical data independence - PIt is a capacity to change internal schema without having any change he conceptual schema - The seperation of conceptual view from internal wifew enables us to provide a logical description of database without need to specify physical stouchures.
	Teacher's Sign.:

Page No.	
Date	

Teacher's Sign.: _

	pg No :- 3/56: of 92. Sign : r.G. Kalaw
	Specialization and Generalization in EER with
	example.
	CER model includes concepts of ER model and.
	the concepts of aggregation, specialization and
-	generalization.
	Specialization
	i) . Specialization Follows a top-down approach of
-	superclass subclass relationship 1) Specialization es a process of defening a set
	of subclass of intiny type this entity type is
	called super class of specialization.
	ii) The set of subclass that forms a specialization
	is defined on basis of distinguishing
	characteristic of entity in super class.
	Set of Subclass (slaving account, Cursent Account) are
	Specialization of super class Account
	Account
	Saving Account Current Account
	Saving Account Cuspent Account



-	
	pg No: 4/56: of Q2 sign + K-Gr Kaland.
	Generalization
	This is a soverse process of specialization or
	this is bottom up approach of superclass subclass
	selationship.
	Generalization is a process in which we differentiate
	among several entity types identifying the
	common features and generalizing them to a
	Single Super class of which oxiginal entity
	type are special subclass.
-	Example -
1	Car and boke are all having common attribute
1	they can generalize to super class vehicle.
1	(Average. Mode)
1	
1	Type (Bike entity)
1	Tabo.
	(company (node)
	[ca6]
	(cox entity).
	(Average Fuel-type)

Teacher's Sign.:

Page No.	
Date	

Teacher's Sign.:

	pg No: - 576 of 92. sign + 10 Gr Kaland
-	1 pg No.
	constraints make sure that only authorized user
D)	will make modifications to database are changes
	will make modifications is data consistency
	should not lead to loss of data consistency
-	and cossectness.
	Integrity constraints are
	· Entity integrity constraints.
-	· Referential integrity constraints.
-	Entity constraints allows us to test whether
	the typic inserted into database are consect
	D6 Not-
	The execute table command may also include entity
	constagints which can primary key of table.
	Types of entity constoaints.
	· Unique Constraint
	- In case of unique constagint, no two ruples
	can have the same values.
	example: EMAIL varchar(30) UNIQUE.
	THE PARTY OF THE P
	· Pagmasy constagns.
	- Premary constraint is same as the unique
	Constraint. In primary constraint also, no two
	rapies can have the same values his
	Drimagi Constraint that
	taginor of any NULL Davis
2	9: STUDENT ID-chas (10) PRIMARY KEY
1	

	Page No. Date
	Page: 6/6 of P2 sign: 1- 6:6: Calaw.
	Referential Integrity (onstraint i) It is specified between two tables to maintain the consistency among tubles in two tables. The tuple in one relation of fees to an existing tuple in another relation.
	Emp-rid. Interent! Did Emp-name Dept-name Did. Did. employee Department:
	Refessentia, Integrity,
1	

Teacher's Sign.: _