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Assignment - 1



*	ER Modeling and Normalization .
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a _k -	Problem Statement - Designa case study for application
	2 10 miles a propose a conceptual design
	Using ER & features using tools like ERD plus, ER winer
	· ·
*	Objectives - to learn & understand
	ai) data modeling bi) connecting ERD table
	C) ERD tou IS
*	Handware & Software
	- MYSQL - Dell it 11th gen 64 bit Ubuntu OS
	,
*	Theory-
	Para Model -
	- Data model is conceptual representation of data
	- It is way to design and describe at physical, logical&
	view level.
	Entity Relational model -
	- It is used to create unitorm convention which can be
	used for relation clatabase
	- ER model represents real world entities and relationship
	among them
	- It develops conceptual design
	- simple & easy to view design
	ER is good for
	- Requirement Analysis
	- Conceptual database design
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*	components of ER diagram -
	17 Entity - It is a real world object
	2> Attribute - entities have attributes or properties
	that identify them.
	37 Entity Set - Set is a group of Similar kind entities
	or entities which are sharing smilar value.
	w) Weak Entity - entity that depends upon another entity
	5.7 Strong Entity set - It always has a primary key
	- It is represented by rectangle Symbol
	- relation between to two strong entities shows
	a diamond Shape
	6.7 Types of Attributes -
	9) key Attribute - Main Attribute that is underlined
	b) composite - It is made of more than one simple attributes
	c.7 Derived - It is derived from another attribute
	87 Multivalved #
7.>	Keys - uniquely identifies an entity among an entity set.
8.]	Relationship- It is association among two or more entities
9.>	Cardinality - Maximum number of times an instance
	in one entity can associated with instance in related entit
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4	Components-
	Sitrong
	entity Weak entity
	entity
	attibute O weak
	attribure attribure
	relation
	(id) Primary key

