

CHH. SHAHU COLLEGE OF ENGINEERING

	Kanchanwadi, Paithan Road, Aurangabad.
	Practical No:-1
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dilaketti	Aim: Design Schema for college Management system.
4	ment a share while the self-containing to
	Theory :-
	Relational Model!-
	Relational model can represent as the table with columns
<u></u>	and zows. Fach zow is known as tuple and each column of table
-	is known as attribute
	Domain :-
	It contains a set of atomic values that an attribute
	can take.
	again a rad in draw arraylar in a cartain but
	Attribute:-
	It contains the name of a column in a particular toble
-	Each attaibute A; must have a domain domcai)
	The Court fide of the contraction of the court
	Relational Instance
41 <u> </u>	In the relational database system, the relational
	instance is represented by a rinite set of tuples relational
	instances do not have duplicate tuples
	Relational Schema!-
4	A relational schema contains the name of the relation
-	and name of all columns or attributes.



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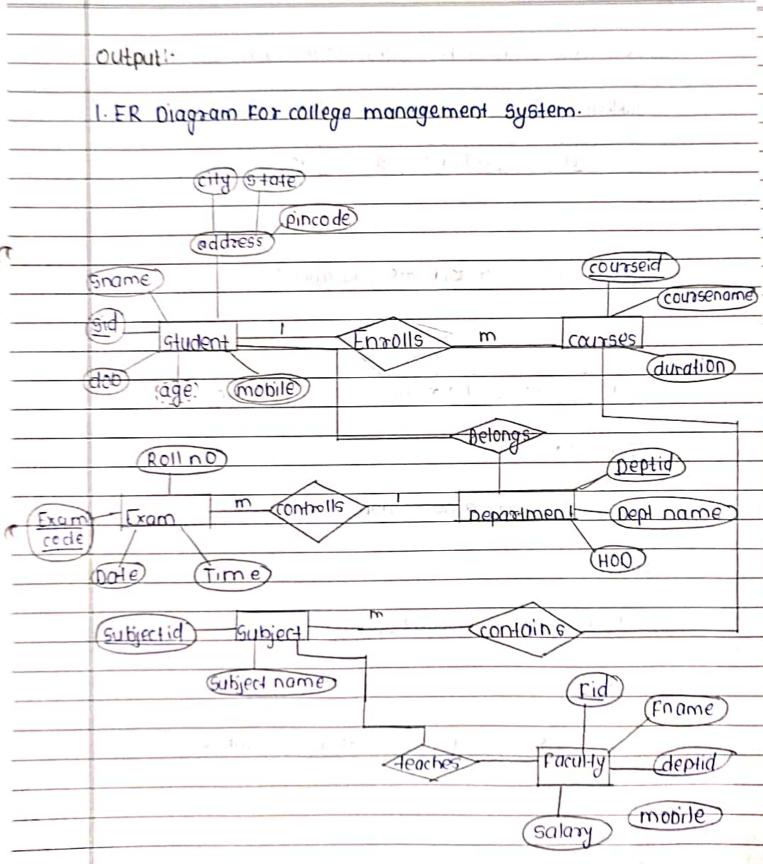
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<u> </u>					
Relational	cey:-				
		nal key , each 20	w has one	or more	allabl
It can ide	entify the so	nal key, each 20 Dw in the 2010th	ion uniquely		
e.g:- stud	lent Relation				
Name	ROLLNO	Phone-no	Addxess	Age.	
Ram	NOCEINO	9/582 32526	Mumbai	24	
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laxman	7	83907 14981	kalyan	27	
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	Practical No:-2
	* (Ugin 1)
	Aim: - Creating tables, Renaming tables, Data constraints (Primary key, Foreign key, Not Null), Data insertion into a table.
-	Theory:
HILL YOU	sgr Languagest I i with a topological topological
	1) DDI: Data Defination language provides commands for defining the relational schema deleting modifying relation at schema.
	2) DML: - To provides ability to query information from the database and insert tuples, delete tuples modify tuples in database.
	create command
	Syntax:-
	e.d create database collège.
	The count I by collect border states and suited to a
	czeałe table:-
	create table table name (col 1. datatype, col 2 datatype
	e.g create table student (sid int, sname varchar (30), state varance),
	-1



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output:-	
sid sname state city pin age do	06
ALTER command:	
Alter table command is used to add,	modify dropthe column
in existing table.	- ,
	1171 3 1 201
1) Addi-	
syntax: Alter table, table name add (col	Ladatatype).
e.g and Yours with A room - It will, the said	rantificated to
alter table student add (deptid in	4).
	Clare of the Control
It is used to modify the day	atypes.
syntax:-	- 461 14.2
Altertable table name modify col	name data type.
e.g Alter table table name modify col	name data type.
3) Drop'	, , , ,
The drop statement is used to	delete a rable desination
4 all dota from a table.	
Syntax:	-46-35,30-3
Altertable table name drop column	col_name.



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	4) Rename:
.)_	Any da-labase user can easily change the name by using
	the rename table and alter table statement instructed query language
	Syndax:
	Rename old_table_name to new_table_name;
	0·g'
-	Rename cars to carroll- Details:
	TNSERT
	Insert command is data manipulation command that
	Used to manipulate data by inserting information into the
	-10ples.
	rigbjes
_	syntax:-insert into table name (coll, col2 col n).
d	Valyes (values), value 2, · · · · value m.
_	Update:-
_	update command is a data manipulation command which
_	is used to edit the records or the table.
	syntax:-
_	update table name set coll = valuel, col2 - value 2
_	Where condition
	eq'
	Update student set deptid = 5 where sid = 3.
_	Opadie diddelii bet depila = 5 Where Sia = 3.
,	



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	Delete:-
	Delete statement is used to delete existing Records in a
	+able
	syntax'.
	Delete from table-name Where condition;
	Delete from student where sid = 4.
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	Practical No:-3
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	Aim: Implementing sign commands for grouping and Aggregate
	Theory:
	Variables 1 perilles (1) []
	Søl clause
`-	gallio d'aundiga PA Assalt
	- Graip By
	The GROUP By statement in sql is used to arrange
	identical data into groups with the help of some functions i.e
	if a particular column has same values in different nows
	then it will arrange these rows in a group.
	could not a financial against
	Syntax!-
	SELECT column 1, Function_name (column)
	FROM table-name
	WHERE condition to the manual section to
	GROUP BY column 1, column 2
	ORDER BY column 1, column 2;
	e.g SELECT NAME, SUM (SALARY) FROM EMPLOYEE
	GROUP BY NAME;
	Order By!
	The order by keyboard is used to sort the result- set in ascending or descending order.



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-	The order by keyword starts the records in ascending order by default. To sort the records in descending order, use
	by default. To sort the seconds in descending order use
	the DESC keyword.
	Syntax:-
	SELECT column 1, column 2
	FROM toble_name
	ORDER BY column 1, column 2;
	Ascl DEsc;
	E consultate tel pot un and
	e.g SELECT * From customer
	ORDER BY COUNTY;
	and the state of t
•	591 Aggregate runctions.
	COUNT ():-
	count returns the total count
	(OUD) (+) returns total no or records
	e.g
	count (salary): return number op non-null values over
	the column salary.
	AVGO: Returns the average value
	e.g.;-
	ANG (salay) = sum (salay) (count (salay)
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	Nanchariwadi, Falihari Noad, Adrangabad.
-	symc): Returns the symmation
9	e·g·.
	Sum (salary): Sum all non-null values of salary column
	0
	Minc): Refuzins the minimum value.
	e q'
	min (salony): minimum value in the salony column
<u></u>	except NULL
	Maxi): Returns the maximum value
	eg:-max(salay);
	maximum Value in salary attribute.
-	sol quen:
C-	