

transaction Gorop of SQL statement that represent a single unit of work.

_audit_rows; Atomicity \ Consistency Isolation START TRANSACTION; COMMIT; or R START TRANSACTION: 1 YEAR & ROLL BACK; Lost Updates Read Non-septering Read uncommitted Read committed s Repeatable read Socializable SET TRANSPICTION ISOLATION LEVEL name :

> SET SESSION SET GLOBAL

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	The state of the state of	Dection
		0
My SQL	Data Types	
non	um du	Time of the Atomic
*	STRINGS	
0	CHAR(x) - uniod lon	ath 1
	VARCHAR(x) - fixed len VARCHAR(x) - variable	lonath
	CEa. Passupred	, Username etc.
	max-65.536 a	haracters G64KB
	MEDIUMTEXT - 16 MBC	
	LONGITEXT - 49BG	
	TINYTEXT - 225 byt	
0	TEXT - 64KB Cman)
00	07700 (1100)	
*	INTEGERS	- Lakingson
		302 JAMES SHIP
	TINYINT 16 C-128	1247
	UNSIGNED TINYINT CO	
	SMALLINT 26 E-3	1, 255)
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FLOATING	POINT	Lal 1	
DECIMAL	(p,s) -		UMER
		FIXED	
DOUBLE	eb		

FLOAT 46

* BOOLEANS TYPE 1300L 1300 LEAN

* ENUMS AND SETS

. ENUM ('small', 'medium', 'large')

SET () don't use much

don't use much

X DATE ITIME

DATE · TIME

· DATETIME 86

· TIMESTAMP 46 (up to 2038) · YEAR

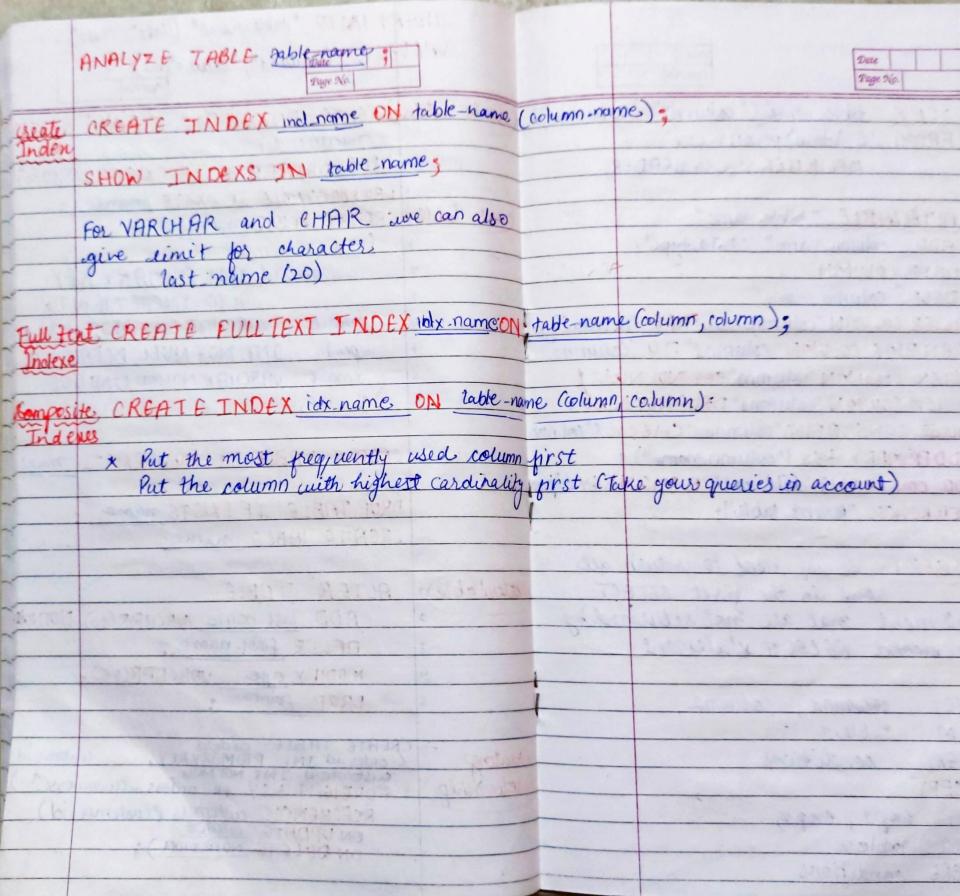
* BLOISS · BLOB 65KB · MEDIUMBLOB 16MB · TINYBLOB 255b · LONGBLOB 4GB

Tage No lightweight format for storing and transferring data over the Internet X JSON JSON "key": Valve 1 UPPATE products 2 SET properties = 1 "dimensions": [1,2,3], "manufactures": {"hame": "sony"} > WHERE product id= 1; OR UPDATE products SET properties= JSON_OBJECT ('weight', 10, 'dimension', JSON-ARRAY (1,2,3), 'manufacturing', JSON_OBJECT C'name', 'Sony' WHERE product-id = 1; 1. SELECT product-id, JSONEXTRACT (properties, 's weight') e FROM products 3 WHERE producted =1;

	Date Page No.
	OR A LAND
	SELECT production, properties > 5000
The state of	# SELECT
The state of	properties -> '\$. dimensions[0]' properties -> '\$. manufacture.name'
	properties -> '\$. manufacture. name'
	to remove quote from result
	<i>→</i> >>
	JSON- REMOVE
verilia!	UPDATE products / Cproperties,
1	SET properties = JSON_SETC
	proporties,
	proporties, 's. weight', 20 's. age', 10) WHERE product_id = 1:
	1. dae', 10)
	WHERE product-id = 1;
	Salaria (M)
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Date Page No.
Creating Database
Data Modelling is Understand the soquere ments
(ii) Build a conceptual model
air Build a logical Model
Liv Build a physical Model
LEKI
Entity Relationship Unified modeling language
language.
111010504 (1810
drow.io'
LucidCharts
- LIHERE DISTRICTURE 42
Normalization
(1)
INF: Each cell should have single
value and we can't have
seperated coloumn
enf: Every table should describe
one entity and every column in that table so should describe
in that table of should alexite
That entity
3NF: A column in table should not
be drive 18 mm aff a
be drive from other column

INSERT INTO "table-name" ("col1", "(of2", ...) VALUES (Walue 1", "Value 2", Date) create detabase REATE DATABASE IF NOT EXISTS mame! DROP DATABASE IF EXISTS name I DRO DROP TABLE IF EXISTS name evente Pable) CREATE TABLE name customer id INT PRIMARY KEY AUTO-INCREMENTS name VARCHAR (50) NOTNULLA points INT NOT NULL DEFAULTO, email VARCHAR NOTNUE UNIQUE CREATE TABLE IF NOT EXISTS name DROP TABLE IF EXISTS name CREATE TABLE name Alester Pable 1. ALTER TABLE ADD last-name VARCHAR(50) NOTNUL AFTER first-name MODIFY age VARCHAR(55), CREATE TABLE orders Corder id INT PRIMARY KGY, customer id Oreating austomeria INT NOTNULL, FOREIGN KEY FX - orders - customers (1) ON UPDATE CARADE ON DELETE NOACTION);



	Date Page No.
	FROM 'C: \tmp\person s. csv'
	FROM 'C: \tmp\persons.csv'
	DELIMITER; CSYHEADER;
	(1.0)
	ALTERTABLE "touble-name"
	ADD "column_name" "bata-type";
0	DROP COLUMN
	DROP column name"
	RENAME COLUMN' column 1" TO "Column 2".
e	RENAME COLUMN' column 1" TO "Column 2".
	ALTER COLUMN "COLUMNI" SET NOT NUL;
•	ALTER COWMN "columny" DROPNOTNULL;
e	ADTER CONSTRAINT COLINAME" CHECK ("Colnome">=100)
•	HDD HRIMHRY KEY ("calumon mama")
•	ADD CONSTRAINT "child_col" FOREIGNKEY ("parent_col")
	REFERENCES "Parent-table";
	EXCEPT It is used to return all
	rows in the pirst SELECT
	authorized and not returned by
	the second SELECT statement
	00100
	SELECT columns, columns,
	FROM table 1
	WHERE conditions
	EEXCEPT
	SCLECT emps, emps,
	FROM tables.
	WHERE conditions

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	and a super desire		
	Date		
	Page No.		
	STRING AGGREGATOR E		
	3TRING-AGG (enpression, delineter)		
Cunn	aggregate every value in column		
mercio.	POWER (6,2) B2		
m 1920	William Landau Maria Charles		
	AGE (Edate 1, 7 date 2)		
do	AGE ([date 1,] date 2) if not mentioned, current date will to CHAR (No. 1)		
	TO CHAR (Value, format-mask)		
	Similar and August August		
	To_char (order_date, "MMDDYV)"		
	anoles And Andre		
	SETSEED. (seed)		
ne" >= 100);			
au Thirt	Seed can have a value between 1.0 and -1.0		
ent_col")	inclusive.		
	SELECT SETSEED (0.5);		
	SELECT RANDOMC);		
	SELECT RANDOML);		
	EXTRACT ('unit' from 'date)		
- Lames	EXTRACT ('unit' from 'date)		
	decade		
	epoch (No. of sec since 1970-01-01)		
	hour, minute, year, second		
	otaleh ili 2 in classes		
	To-date (string format-mask)		
3	To date (string, format-mask) to number (string, format_mask)		
	0,1		

SOFT DELETE : UPDATE HARD DELETE : TRUNCATE Page 26	6
CREATE USER USOR mame.	
· CWITH PASSWORD 'password- value')	
· VALID UNTIL 'enpiration's; (table_name)	
GRANT privileges ON object Touses name	
GRANT privileges ON object FROM user no	e: }
-	77
ALL, SELECT, INSERT, UPDATE, DELETE. etc	
Doop was a series of the serie	
DROP USER user-name	
OUTCO INCO IT IT I	
PLITER USER Starteach	
RENAME TO ST;	
SELECT USE name SELECT DISTINCT A	
FROM table name show login user	mame.
- The same of the	
SELECT DISTING X	
FROM table-name (Aosee activity)	
	1
Of Market ton Carry	
CREATE TABLESPACE < tablespace names	
LOCATION < location on derive>	
Commercial ways and the second	
EXPLAIN	
VACCUM Ctable-name?	
Delete all soft delete	
1- Comment of the com	
CREATE SCHEMB schema name;	
- Succession of the second of	