Musal, salite - case insensitive

pracle, postgres - case sensitive

Python - case sensitive



	Database: collection of data (Digital format) that can be easily accessed
	A software application used to manage own DB is called DBMS
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K	OSE DEMS OB SECOND
0	Types of Databases and State of the State of
	Relational Non-Belational
	Pata stored in tables in tables pata not stored in tables
	Myser, oracle, serven, Mongops:
	double PostgresQuiran dolepon es tourish double
	sol - structured Query danguage - used to interact with drelational databases
	sal - structured surry adragade dosa, established update, delete.
	used to perform crud operations create, read, update, delete.
	SEQUEL - structured English Query language - IBM later changed to SQL.
	room gar of opt found total room
	cyeate our first Natabase ;
	create database di; use databasename;
	drop database di; lascata parpian tropiat
	reel at ser-) tal year
	creating our First lable
	create table student (standards ide de sout
	record intervimory iseu, servores demand most most and
0	name ivarcharison a special adiation in Major 1. 1Mg
	name ivarcharises
_	age int not nulle - appropriate and the second second
); sacret treep - sprupped loaned ried - 100
+	tionary acutepeant wate . spoupant lantage acutepeant * 151
	insert into student values (1, 1sofia1, 24);
	insert into student values (2, 'GR', 26);
	acquire to at the district to the control of the per property
	select * from student; or does to be state wheelings so the state
	. Here for a suley of the old wine of seast

even if we store 2 charactors varchar - 9t takes up sonly the bytes of memory which 19 0 pullers sace screening needed. sal parate types and in and other and other a prince ! at was apparently addended a superior A CHAR 0-255 characters of fixed length (har(50) 0-255 8 11 2M30 - 1920 varchar(50) varchar 0-65535 binary large object in blobubbos Blob in wint in Interior - and integen Tinyant integer (-128 to 127) solder it to thought bigint and integer provide the bigint decimal - 23 medsion digits color Float Double that the decirnal 24 to 53 digits and hand bouble boolean boolean values or of the Boolean Dates out Mat - NVVY-MM-DD to the Countries - 1 Date 4 digit format 1901 to 2155 seate and fit of fortabase : ciente dataines di: Signed and Unsigned 16 appointed dock Tinuint unsigned 10 to 255) Tiny int (-128 to 123) aldol and ruo boilean Types of SAL commands) instant stars DDL - para beantion Language - create, after, rename, truncate, chop -DML - Data Manipulation language - insert jupdate, delete DQL - Data Query Language - selection in and DCL - Data control language - grant, revoke TCL - Transaction control language - start transaction, commit, rollback linear into source values (1,1500al, 20): (dp. frid), chequipy language atar treeni Keys Primary key - It is a column lor set of columns) in a column in a table that uniquely identifies each row took and a motor There is only IPK and it's value is not null.

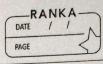
char. In If we declare char(50) It stakes up all memory upto 50 bytes



-	PAGE
	Foreign key
	A foreign key is a column (or a set of columns) in a tall 12 th a column
	to the primary key
	There can be multiple FK's
	Fk's can have auplicate & null values.
_	splan a from student in the bu trees:
	Constraint s
	sal constraints are used to specify rules for data in a table
0.5	MOT NULL columns cannot have null values colt int not null
	UNIQUE - all values in column are different "cols int unique
	PRIMARY KEY - makes a column unique & not null but used only
	For one : Idobuta more (saronykom make dixon v
	id int primary key
	create table tempt synthese toles unus
	id int not null,
	Primary key (id),
); acticle and drawn
	check - st can limit the values allowed in a column
	create table with the shorter stail from man olds shotten
	ld int primary key; dayley areas re
	city Narcharison sents and consentance, the topics
	age int,
	constraint age-check check lage >=18 and city = "Delhi")
);
	amon tidat mem
	Where clause:
	We can use operators in where the war of during actual
	Arithmetic - +1-1*,1,1.
	comparison - = 1 = 1 > 1 > 1 < 1 < = 1 + 1 + 1 = 1 < 1 < = 1 + 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1
	Logical - AND, OR, NOT, IN, BETWEEN, ALL, LIKE, ANY
	Britings - 1 . 1

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	limit clause
	The Theory of th
	Select a tipu) asiddellia ziliam a
	order by clause
	Sort in Asc or sort in Desc.
	select * from student order by DESC;
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	Aggregate Functions command at the area of
in d	Aggregate functions perform a calculation on a set of vialues, and
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₹ 5 (5/2	* Counter . 19 1 & Suprist daythor & coatral . 1939 Ucarnos
	* Max() select max(marks) from student;
	* MIND USE USE HER TO TO
	* sum() select augmarks) from student;
	A ANGU
	principle (a)
	Group by clause
	Groups rows that have the same values into summary rows .
	collects data from multiple records and groups the result by one
	by work column
	select city, countiname) from student group by city;
	101 36t
, .	Having Blause 1 2 Marie Manda and Fath Harren
	Select columns
	from table-name
	where condition : asympto and in
	group by conditions diver excitation on act street
	having condition And X - Stomphich
	order by columns asci, according a companies
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Stribdu JOINS Joins is used to combine rowis from two or move tables, based on a related column between them. Employee : "Salary of service in a complete (id) salary name 597A010 - 39A2 - 102 - F38 102 101 103 102 Somer Join west Join Right Join We will join PUICERATIO In mysquir-iunibnitis used to perform full joint 103 select & from student as a 15 mouse 1 mouse spons Lestjorn course as b concade bild area was some and amulas spands union select x from student as a tel (3100M) amulas us bam After table table, hatte Right soin course as b modify colorane new tatatype new bird tipip no Left Exclusive Join of the rine of Right Exclusive Join select * from student as a left join course as b on aid = bild where bid is NULL:

self Join 'min and All AND MARK DO WHAT S Example Adam donald name 101 adam bobining 104 may of sopration for soldars 102 caseurs anulli and a south read to redomine a prosted -103 donald milos tod fratestin to bods to the select a name as manager hame, b name "" from employee as gradeout read them, parter in a Join Employee as b en aid = bimanagerid; some has acitiseiper trafuel front A ponervias invertaires trabación union It is used to combine the result-set of two or more select statements GIVES UNIQUE records 19. paragraph has accomming place transcriptor aspurgos bas nestado XIVIO select columns from tableA union select columns from tables SOL sub Queries A subquery or Inner query or a Nested Query is a query Within another sar query, et an involves a select statements .. Mysal Views A view is a virtual table based on the result-set of an sal statement. create view w view as select rollno, name from student;

select a from viewi: