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Role: Full Stack Web Revelopment

My SQL Cheat Sheet

Connecting to a My SQL Server

· By password

mysgol · u [usurname] -p

· Connet to specific database mysque -u [uscrname] -p [database]

· Expost data
mysgldumb - u [username] - pA
[database] > data_backup.891

Creating and Displaying

Create Database 2005

· List of database SHOW tratabases;

· Use specific database.
USE 200;

DROP dotaban 2005

Creating Tables

Coreate table table (
i'd INT).

name VARCHAR(10)
):

· Table with key

Cocate table student (

id INT Primary Kry Auto_INCREMENT,
name VARCHAR (20),
work varchar (60)
age INT,
stud_id INT,
Forcign Key (stud_id)

REFERENCES COURSE (12)

modifying Table

· Change table name; ALTER TABLE students RENAME BATCHS

ALTER Table student
ADD COLUMN Add VAR(MAR(60).

· Tochange Column data type ALTER TABLE student MODIFY COLUMN name VARCHAR (128)

DROP TABLE Student;

· To drop/delete a column

ALTER TABLE student

DROP COLUMN phone-no;

AGGREGATION and GROUPING

· AVG(n): average value of n for ten group

· COUNT (2): count of x values within the

-MAX(A): maximum value of x values within the group.

· MIN(n): minimum value of n values within the group.

· SUM (m): sum of a values within the group.

Groubing

SELECT sep, COUNTLIA) from animal GROUP BY' sep;

INSERTING DATA

INSERT INTO student VALUES

(1, 'Janui') (2, Toyder);

Updating DATA

UPDATE student set

nome = 'Duke's
Roll-No = '3'

where id = 4;

DELETING DATA

DELETE FROM astudent WHERE id=1;

CASTING

· Number as signed number.

SELECT CAST (1284.567 AS signed);

. Change a column type SELECT CAST (column AS double);

NUMERIC PUNCTIONS

SELECT MODU3, 2);

SELECT ROUND (1234.567);

SELECT CETL (13.1);

SELECT FLOOR (13.8);

SELECT TRUNCATE (13.56, 0);

SELECT ABS (-12)

SELECT SORT(9).

MYSOL JOINS

. INNER JOIN

It returns all rows from multiple tables where the join condition is satisfied.

· LEFT OUTER TOIN

It seetume all roues from the left hand table specified in from the other table, if true.

Right outer Join

It returns all rows from the right hand table specified in the ON condition and only those rows from the other table when the join condition in a stiffed

full Join

It combines the results of both left and right outer jour

SERL JOIN

when the table w joind with itself.

DATE and TIME

- · DATE stores the year, month and day in the YXYY-MM-DD format
- · TIME- Stores the hours, minutes and seconds in HH:MM:SS format.
- DATETIME store the date and time in the YYYY-MM-DD HH: MM: SS format. The supported range is '1000-01-01 00:00:00' to '9999-12-31 23:59:59'.
- ·TIMESTAMP store the date and time. The range is '1970-01-01 00:00:01' UTC to '2088-01-19 03:14:07' UTC. \$5 MySQL converts TIMESTAMP values from the current time zone to UTC for storage and vice-versa for setsieral.
 - · YEAR stores the year in the YYVY formed.

Extracting Parts of Vates

- · Year -> SELECT YEAR (CASTL'2024-05-11' AS date));
- · Month SELECT MONTH (CAST (12024-05-11' AS date));
- . DAY SELECT DAY (CAST ('2024-05-11' AS date));

Other date withmetics

- · ADDDATE ('2024-D5-11', INTERVAL & MONTH);
- · TIMESTAMPADD (MONTH, 2, '2024-05-1107:16:00');
- ADDTIME (2024-05-11'07:16:00', 12:43:02');
- · VATEDIFF ('2002-08-23 ', '2024-05-11');
- · TIMEDIFF ('07:16:00 ' , '14:27:18');
- · TIMESTAMPDIFF (WEEK, '2024-05-11', '2024-07-11');