2)	wh	ot	,	محم		th	٠, ـ	9	بع	ations you can done with DDL sofor?
		٠			ب	D	DL	· (F	John	ys.	with the structure of the table
											adding (or) Tremoving Columns from a table
	٠	٠	٠	٠	٠	۰				\odot	Renaming table (or) columns in the table
											modifying data types of columns
۰	۰	٠	٠	٠	٠	٠	۰	٠	0	0	
	٠						٠	٠		\odot	Adding (ox) remoting constraints like
								٠		٠	
۰		٠	۰	٠	٠	٠		٠		٠	Storeign key Ly Primory key
	۰	٠	٠	٠	۰	٠	٠	٠	٠	۰	Lh anique Ly Default Ly Not NUII Ly NUII
۰		٠		۰	٠	0	۰	٠	0		C 1 Special Special Shull Shull.
	۰	٠		٠	٠	٠	٠	٠	. (()	Remaining table (08) Dotabase from the server
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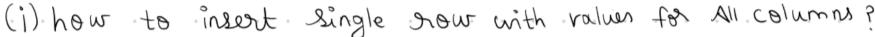
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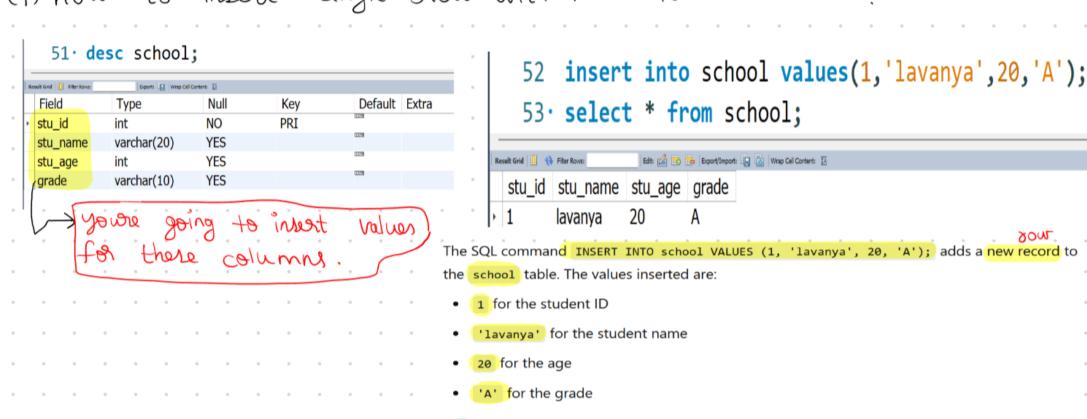
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3) What Doe DML?
DML - (Dota manipulation language) manipulation - ontownayora
Limith (DDL) you can play with Standwe of table Limith (DDL) you can play with actual
Data inside the table
4) What were DML Commands in SQL?
INSERT (used to insert data into the table)
UPDATE (used to update the existing data inside the table)
DELETE (used to Delete the existing data inside the table)

5) what are the ways you can insert data into table? (i) you can insert single now (ii) you can insert multiple hours at a time (iii) you can insert sota from unother table into New table, But note) -> the columns inside the newly created table should similar to the table your taking Data, Also the (column court) should also want To Be Same in both tables

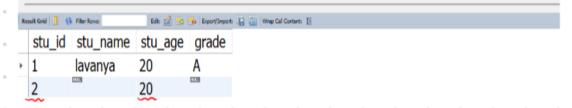




This command assumes the school table has columns in this exact order.

how to insert single row with only values for specific columns?

- 55 insert into school(stu_id,stu_age) values(2,20);
- 56 · select * from school;



The SQL command INSERT INTO school(stu_id, stu_age) VALUES (2, 20); adds a new record to the school table with:

- 2 for the stu_id (student ID)
- 20 for the stu_age (student age)

This command only specifies values for the stu_id and stu_age columns, leaving other columns in the school table (like student name or grade) to be filled with their default values or to be NULL if no default is provided.

(II) how to insert multiple sow with values for All columns At a time?

58 insert into school values (3, 'jaanu', 21, 'A'), (4, 'lakshit', 10, 'B'), (5, 'darshith', 7, 'B');

Wrap Cell Contents IA

59 * select * from school;

Re	sult Grid 📗 🥎	Filter Rower	Bidti 🔏 📆	is Export/Import	i iii
	stu_id	stu_name	stu_age	grade	
٠	1	lavanya	20	Α	
	2	DAG.	20	att.	
	3	jaanu	21	Α	
	4	lakshit	10	В	
	5	darshith	7	В	

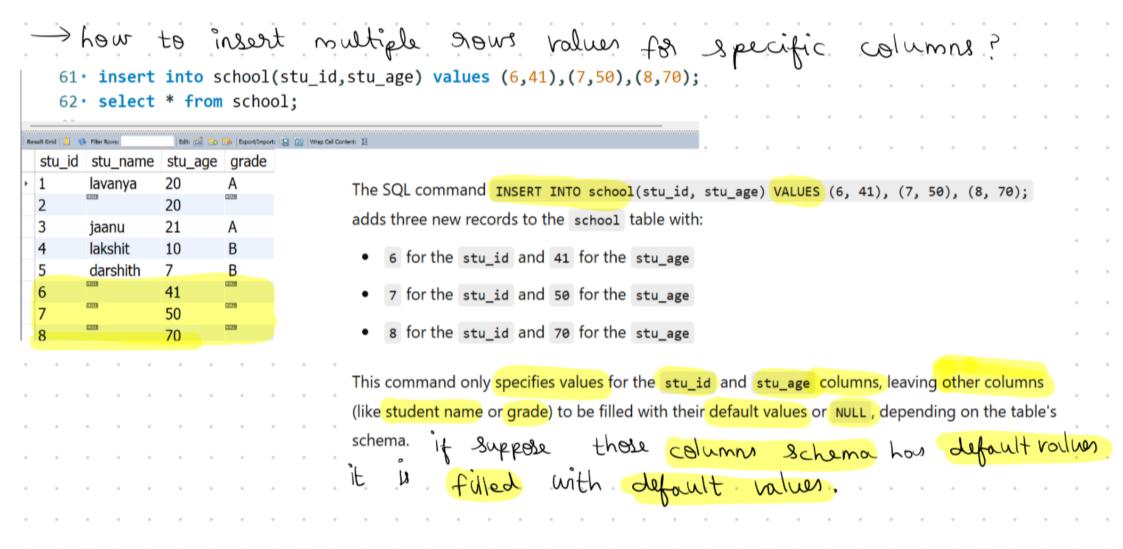
The SQL command INSERT INTO school VALUES (3, 'jaanu', 21, 'A'), (4, 'lakshit', 10, 'B'), (5, 'darshith', 7, 'B'); adds multiple records to the school table in a single operation.

The records being added are:

- 1. (3, 'jaanu', 21, 'A') where 3 is the student ID, 'jaanu' is the name, 21 is the age, and 'A' is the grade.
- 2. (4, 'lakshit', 10, 'B') where 4 is the student ID, 'lakshit' is the name, 10 is the age, and 'B' is the grade.
- 3. (5, 'darshith', 7, 'B') where 5 is the student ID, 'darshith' is the name, 7 is the age, and 'B' is the grade.



Each tuple corresponds to a new row in the school table. •



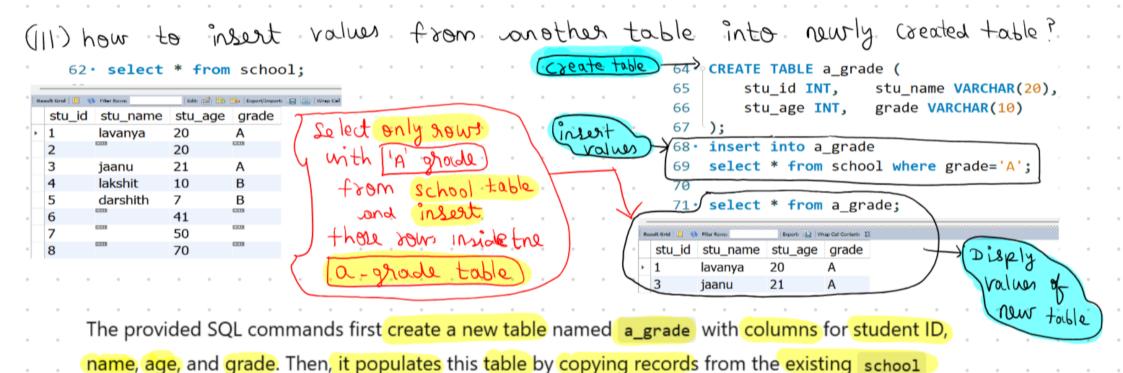


table where the grade is 'A'. Finally, it retrieves and displays all records from the a_grade table to

show the students who have grade 'A'.

5 (stelled) it in bennotreg incitarego at era total) Dive can Delete Single now in a table. Lowe can Delete multiple hour in a table. Note: if you performe delete operation without where condition means your entire now will be Deleted.

7) what is (Sofe update) made in mysal?

Safe Update Mode in MySQL is a setting designed to prevent accidental updates or deletions of large amounts of data. When enabled, it requires a WHERE clause in UPDATE or DELETE statements that specifies a key column, which helps avoid unintentional changes to the entire table.

To turn on Safe Update Mode, use the following query:

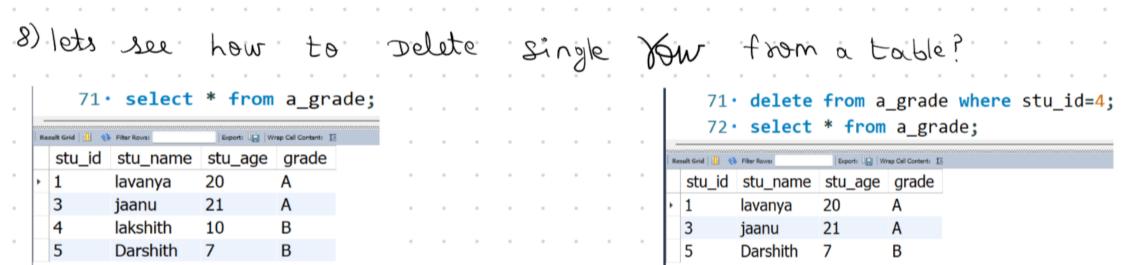


To turn off Safe Update Mode, use:

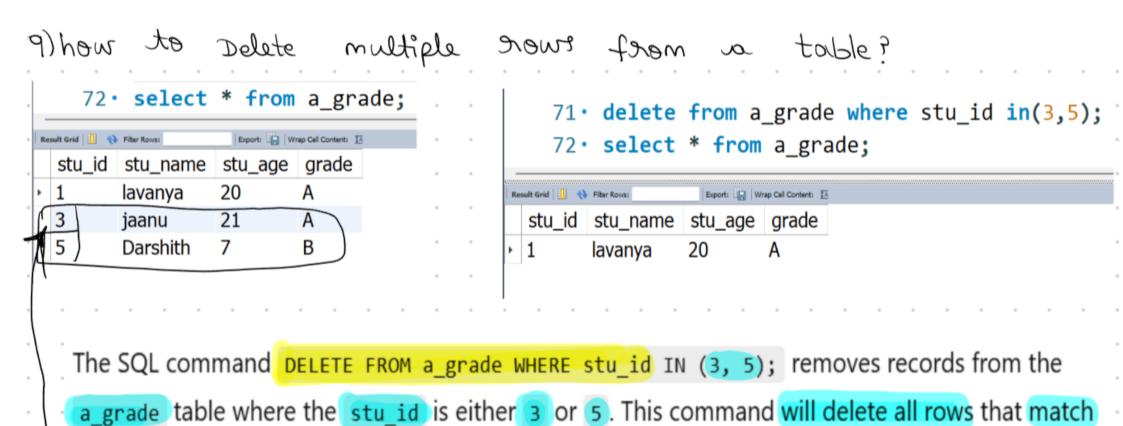


Turning Safe Update Mode on or off affects only the current session. If you want to make this change permanent, you need to adjust the MySQL configuration file (my.cnf or my.ini) and restart the MySQL server, but this is generally not recommended unless you fully understand the implications.

off only you can performe (Delete (ox) update)

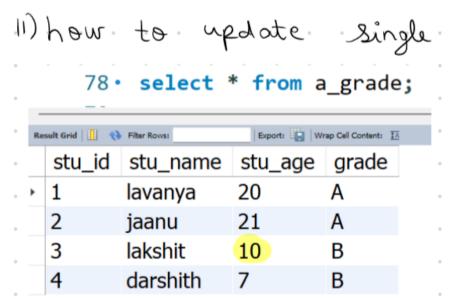


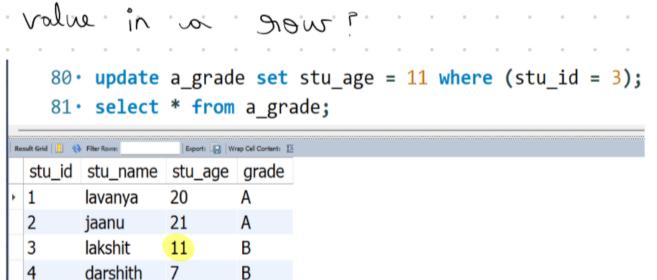
The SQL command DELETE FROM a_grade WHERE stu_id = 4; removes the record from the a_grade table where the stu_id is 4. This command will delete only the row with stu_id equal to 4 if it exists in the table. If no such row exists, the command will have no effect.



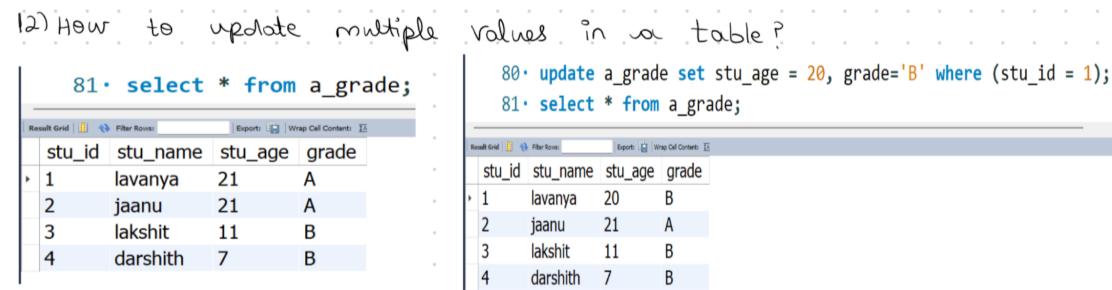
these stu_id_values. If no rows with these IDs exist, the command will have no effect.

10) update in mysal? Due can update single value in a row Lowe coin apropriée multiple valuer in a row L) we can applate different values for different hours using Switch case) -> Along with update L) we can create a temperaly column using (update) -> Along with & switch case





The SQL command UPDATE a_grade SET stu_age = 11 WHERE stu_id = 3 AND stu_age = 10; updates the stu_age to 11 in the a_grade table only for the row where stu_id is 3 and the current stu_age is 10. This ensures that the update only occurs if the age was previously 10, thereby preventing unintended changes if the stu_age has already been modified.



The SQL command UPDATE a_grade SET stu_age = 20, grade = 'B' WHERE stu_id = 1; updates the stu_age to 20 and the grade to 'B' for the record in the a_grade table where stu_id is 1.

This command will modify both the age and grade for the student with ID 1. If no such record exists, the command will have no effect.

13) how to update Different rows with different values for single column?

171 • select * from a_grade;

Result Grid [] 🔷 Filter Rows: Export: 🗒 Wrap Cell Content: 🔣						
	stu_id	stu_name	stu_age	grade		
٠	1	lavanya	20	В		
	2	jaanu	21	Α		
	3	lakshit	11	В		
	4	darshith	7	В		

This command updates the grade column in the a_grade table based on the stu_id:

- If stu_id is 1, the grade is set to 'c'.
- If stu_id is 3, the grade is set to 'D'.
- If stu_id is 4, the grade is set to 'E'.
- For all other stu_id values, the grade remains unchanged (ELSE grade).

In essence, this command conditionally updates the grade for specific student IDs while leaving grades for other students as they are.

```
163 · update a grade
164
     set
         grade=case
165 ♀
         when stu_id=1 then 'C'
166
         when stu_id=3 then 'D'
167
168
         when stu_id=4 then 'E'
169
         else grade
170
     end;
171 · select * from a grade;
```

Re	Result Grid 1					
	stu_id	stu_name	stu_age	grade		
٠	1	lavanya	20	C		
	2	jaanu	21	Α		
	3	lakshit	11	D		
	4	darshith	7	E		

