

Quiz 3

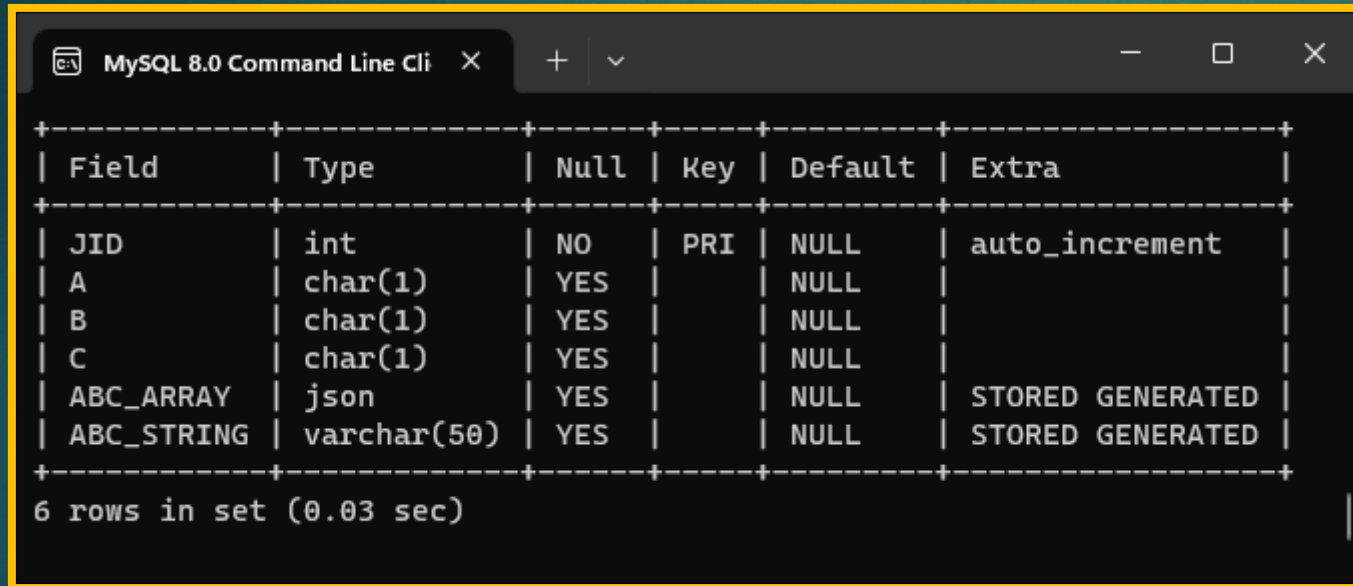


JSON and Character Generation

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Task 1

- Create and populate the table J1 with 3 rows of randomly generated characters.



The screenshot shows the MySQL 8.0 Command Line Client window. It displays the structure of a table named J1. The table has 6 columns: JID, A, B, C, ABC_ARRAY, and ABC_STRING. The JID column is an integer, primary key, and auto-incrementing. The A, B, and C columns are character strings of length 1. The ABC_ARRAY column is a JSON array, and the ABC_STRING column is a VARCHAR of length 50. Both ABC_ARRAY and ABC_STRING are generated columns, stored and generated on demand. The output shows 6 rows in the set, taking 0.03 seconds to display.

Field	Type	Null	Key	Default	Extra
JID	int	NO	PRI	NULL	auto_increment
A	char(1)	YES		NULL	
B	char(1)	YES		NULL	
C	char(1)	YES		NULL	
ABC_ARRAY	json	YES		NULL	STORED GENERATED
ABC_STRING	varchar(50)	YES		NULL	STORED GENERATED

6 rows in set (0.03 sec)

ABC_ARRAY is a generated column which is a JSON Array containing the randomly generated characters A, B, and C.

ABC_STRING is a generated column which is a VARCHAR formed from the random generated characters A, B, and C

Task 2

- Display all 3 rows in the J1 Table.

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MySQL 8.0 Command Line Cli X + - □ X
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JID	A	B	C	ABC_ARRAY	ABC_STRING
1	D	T	K	["D", "T", "K"]	DTK
2	U	P	R	["U", "P", "R"]	UPR
3	O	S	Y	["O", "S", "Y"]	OSY

3 rows in set (0.00 sec)