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# 1 answers

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
exam_id	int(11)		Yes	NULL				
question_id	int(11)		Yes	NULL				
student_id	int(11)		Yes	NULL				
is_correct	tinyint(1)		Yes	0				
created_at	timestamp		No	current_timestamp()				

## 2 course

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
name	varchar(255)		Yes	NULL				
parent	int(11)		Yes	NULL		-> course.id ON UPDATE CASCADE ON DELETE CASCADE		
instructorID	int(11)		Yes	NULL		-> instructor.id ON UPDATE CASCADE ON DELETE CASCADE		

## 3 groups

Creation: May 09, 2025 at 10:49 PM  
Last update: May 09, 2025 at 11:00 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
name	varchar(255)		No					
assignedTest	int(11)		Yes	NULL		-> test.id ON UPDATE SET_NULL ON DELETE SET_NULL		
settingID	int(11)		Yes	NULL		-> test_settings.id ON UPDATE CASCADE ON DELETE CASCADE		
instructorID	int(11)		Yes	NULL		-> instructor.id ON UPDATE CASCADE ON DELETE CASCADE		

## 4 groups\_has\_students

Creation: May 09, 2025 at 10:49 PM  
Last update: May 09, 2025 at 11:01 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
groupID	int(11)		No			-> groups.id ON UPDATE CASCADE ON DELETE CASCADE		
studentID	int(11)		No			-> student.id ON UPDATE CASCADE ON DELETE CASCADE		
joinDate	datetime		Yes	NULL	on update current_timestamp()			

# 5 group\_invitations

Creation: May 09, 2025 at 10:49 PM  
Last update: May 09, 2025 at 11:01 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
groupID	int(11)		Yes	NULL		-> groups.id ON UPDATE CASCADE ON DELETE CASCADE		
code	varchar(100 )		Yes	NULL				

## 6 instructor

Creation: May 09, 2025 at 10:49 PM  
Last update: May 09, 2025 at 10:51 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
name	varchar(120)		No					
email	varchar(120)		No					
password	varchar(100)		No					
phone	varchar(13)		No					
password_token	varchar(100)		Yes	NULL				
token_expire	timestamp		Yes	NULL				
suspended	int(11)		No	0				
isAdmin	tinyint(1)		No	0				

## 7 mails

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
resultID	int(11)		Yes	NULL		-> result.id ON UPDATE CASCADE ON DELETE CASCADE		
studentID	int(11)		Yes	NULL		-> student.id ON UPDATE CASCADE ON DELETE CASCADE		
instructorID	int(11)		Yes	NULL		-> instructor.id ON UPDATE CASCADE ON DELETE CASCADE		
type	tinyint(1)		Yes	NULL				
sends_at	datetime		Yes	NULL				



## 8 question

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
question	varchar(2000)		Yes	NULL				
type	int(1)		Yes	NULL			0 - MCQ / 1 - T/F /2- COMPLETE/	
points	int(11)		No	1				
difficulty	tinyint(1)		Yes	1				
isTrue	tinyint(1)		No	1				
instructorID	int(11)		No			-> instructor.id ON UPDATE RESTRICT ON DELETE RESTRICT		
courseID	int(11)		Yes	NULL		-> course.id ON UPDATE CASCADE ON DELETE CASCADE		
deleted	tinyint(1)		No	0				

## 9 question\_answers

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
questionID	int(11)		Yes	NULL		-> question.id ON UPDATE CASCADE ON DELETE CASCADE		
answer	varchar(2000)		Yes	NULL				
matchAnswer	varchar(255)		Yes	NULL				
isCorrect	tinyint(1)		Yes	1				
points	int(2)		Yes	0				

## 10 result

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
studentID	int(11)		No			-> student.id ON UPDATE CASCADE ON DELETE CASCADE		
testID	int(11)		No			-> test.id ON UPDATE CASCADE ON DELETE CASCADE		
groupID	int(11)		Yes	NULL		-> groups.id ON UPDATE SET_NULL ON DELETE SET_NULL		
settingID	int(11)		Yes	NULL		-> test_settings.id ON UPDATE CASCADE ON DELETE CASCADE		
startTime	timestamp		No	current_timestamp()				
endTime	timestamp		Yes	NULL				
isTemp	tinyint(1)		No	1				
hostname	varchar(255)		Yes	NULL				
ipaddr	varchar(15)		Yes	NULL				
score	int(11)		Yes	NULL				
final_grade	float		Yes	0				

## 11 result\_answers

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
resultID	int(11)		No			-> result.id ON UPDATE CASCADE ON DELETE CASCADE		
questionID	int(11)		No			-> question.id ON UPDATE RESTRICT ON DELETE RESTRICT		
answerID	int(11)		Yes	NULL		-> question_answers.id ON UPDATE RESTRICT ON DELETE RESTRICT		
isTrue	tinyint(1)		Yes	NULL				
textAnswer	varchar(2000)		Yes	NULL				
points	int(3)		Yes	-1				
isCorrect	tinyint(1)		Yes	0				

# 12 student

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No					
name	varchar(255)		Yes	NULL				
email	varchar(255)		Yes	NULL				
phone	varchar(255)		Yes	NULL				
password	varchar(255)		Yes	NULL				
password_token	varchar(100)		Yes	NULL				
token_expire	timestamp		Yes	NULL				
suspended	tinyint(1)		Yes	0				
sessionID	varchar(100)		Yes	NULL				

# 13 tempquestions

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
resultID	int(11)		No			-> result.id ON UPDATE CASCADE ON DELETE CASCADE		
questionID	int(11)		No					

# 14 test

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
name	varchar(255)		Yes	NULL				
courseID	int(11)		Yes	NULL		-> course.id ON UPDATE CASCADE ON DELETE CASCADE		
deleted	tinyint(1)		Yes	0				
instructorID	int(11)		Yes	NULL		-> instructor.id ON UPDATE CASCADE ON DELETE CASCADE		

## 15 tests\_has\_questions

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
testID	int(11)		Yes	NULL		-> test.id ON UPDATE CASCADE ON DELETE CASCADE		
questionID	int(11)		Yes	NULL		-> question.id ON UPDATE CASCADE ON DELETE CASCADE		



## 16 test\_settings

Creation: May 09, 2025 at 10:49 PM

Column	Type	Attributes	Null	Default	Extra	Links to	Comments	MIME
id	int(11)		No		auto_increment			
startTime	datetime		Yes	NULL				
endTime	datetime		Yes	NULL				
duration	int(3)		Yes	NULL				
prevQuestion	int(1)		Yes	NULL				
viewAnswers	tinyint(1)		Yes	NULL				
releaseResult	int(1)		Yes	1				
sendToStudent	tinyint(1)		Yes	NULL				
sendToInstructor	tinyint(1)		Yes	NULL				
passPercent	int(3)		Yes	NULL				
instructorID	int(11)		Yes	NULL		-> instructor.id ON UPDATE CASCADE ON DELETE CASCADE		
testName	varchar(255)		No					

