In-class Exercise 4 - Summer 2022

Due Aug 2 at 11:59pm **Points** 30 **Questions** 30 **Available** until Aug 2 at 11:59pm **Time Limit** 90 Minutes

This quiz was locked Aug 2 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	59 minutes	25 out of 30

Score for this quiz: **25** out of 30 Submitted Aug 2 at 12:29pm This attempt took 59 minutes.

	Question 1	1 / 1 pts
	True/False: In SQL, it is possible to have two rows that are com identical in all their columns existing in the same table.	pletely
Correct!	True	
	○ False	

Question 2

1/1 pts

What happens if NULLs exist in the grouping attribute of the query?

Correct!

Separate group created for all tuples with a NULL value in grouping attribute

Database returns error.

All such tuples will be ignored and will not affect the query result

Which of the following SQL keywords is not used to modify the rows of a given table? Update Delete Insert Alter

Which of the following keywords do NOT prevent the corresponding attributes marked with them from having duplicate values in the table? None of them Not Null Primary Key

	Unique						
--	--------	--	--	--	--	--	--

	Question 5	1 / 1 pts
	True/False: Once a table has been defined, there is no way t column to or remove a column from it.	o add a
	O True	
Correct!	False	

Question 6 True/False: Once a table has been defined, there is no way to add or remove a constraint from it. True False False

Which of the following types of join is equivalent to the cross product if the join condition is set to be always true? Right Outer Join Inner Join

To remove a table from an SQL database, we use the _____ command. | Kill Table | | Drop Table | | Remove Table | | Delete Table |

Question 10 1 / 1 pts

	An attribute A of type Char(20) is assigned the value "12345678". How much space in bytes does attribute A occupy in memory?
Correct!	O 16
	© 20
	O 8
	O 12

	Question 11	1 / 1 pts
	Which of the following is not a keyword for set operations?	
Correct!	O Intersect	
	Between	
	Union	
	Except	

	Question 12	1 / 1 pts
	SELECT statement is used for retrieving information from a data	ıbase.
Correct!	True	
	○ False	

	Question 13	1 / 1 pts
	SQL function UNIQUE(Q) returns TRUE if there are no duplicate the result of query Q.	tuples in
Correct!	True	
	○ False	

Question 15 0 / 1 pts

Given the following two tables: Α В Q1 Q2 W1 W2 1 0 0 1 2 3 4 0 How many rows will the in the result of the following query? Select * From A Left Outer Join B on A.W1 = B.Q1 ou Answered 2 0 1 3 orrect Answer **4**

Question 16	0 / 1 pts
Given the following two SQL queries:	
1.	
Select Distinct Name	
From Some_table	
2.	
(Select Name	

From Some_table)
Union
(Select Name
From Some_table)
Assuming Some_table is not empty, which of the following statement is correct?

Second query is invalid

Can't not tell. It depends.

They always produce the same result.

They always produce different results.

1 / 1 pts **Question 17** Given the following schema of table A A (Q1 int not NULL, Q2 int, Primary key(Q1), Foreign Key (Q2) References B(W2)) and the following table B in the database: W1 W2 1 1 3 3 5 5 Which of the following is a valid tuple for table A?

Correct!	O 2, 2
	o null, 1
	3, 5
	O '2', 1

Question 18			1 pts		
Use the F	ollowing tables t	o rest of the que	estions.		
Empty Ce	ells Indicates N	ULL value.			
Workers	5				
WORKER	R_ID FIRST_NA	ME LAST_NAM	IE SALARY	/ JOINING_DAT	ΓE DE
001	Monika	Arora	100000	2014-02-20 09:00:00	HF
002	Mike	Jones	80000	2014-06-11 09:00:00	Ad
003	George	Harris	300000	2014-02-20 09:00:00	HF
004	Sarah	Robinson	500000	2014-02-20 09:00:00	Ad
005	Josh	Johnson	450000	2014-06-11 09:00:00	Ad
006	Elise	Müller	200000	2014-06-11 09:00:00	Ac
007	Albert	Ziegfeld	75000	2014-01-20 09:00:00	Ac
008	Lukas	Wagner	100000	2014-04-11 09:00:00	Ad
Bonus					

WORKER	_ID BONUS_DATE	BONUS_AMOUNT
1	2016-02-20 00:00:0	0 5000
2	2016-06-11 00:00:0	0 3000
3	2016-02-20 00:00:0	0 4000
1	2016-02-20 00:00:0	0 4500
2	2016-06-11 00:00:0	0 3500

Contact

WORKER_ID CELL_PHONE		HOME_PHONE
1	111-11111111	111-11111110
2	222-2222222	
3	333-33333333	333-33333330
4	444-4444444	
5	555-5555555	555-5555550

Title

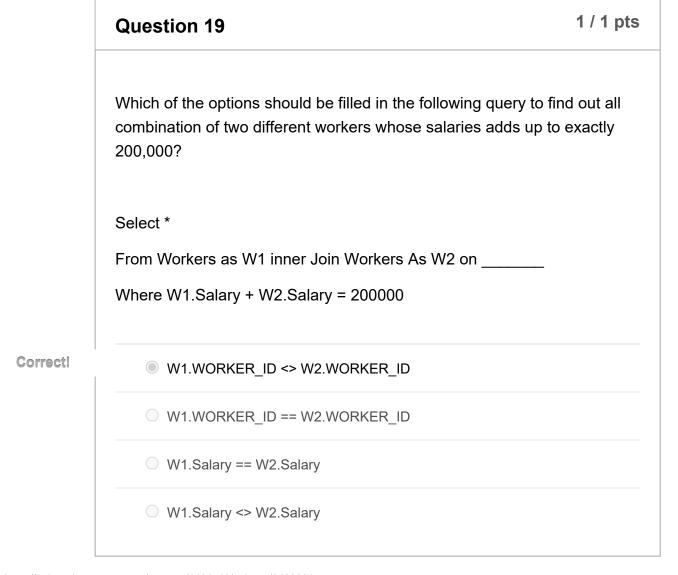
W	ORKER_ID	WORKER_TITLE	E AFFECTED_FROM
1		Manager	2016-02-20 00:00:00
2		Executive	2016-06-11 00:00:00
8		Executive	2016-06-11 00:00:00
5		Manager	2016-06-11 00:00:00
4		Asst. Manager	2016-06-11 00:00:00
7		Executive	2016-06-11 00:00:00
6		Lead	2016-06-11 00:00:00
3		Lead	2016-06-11 00:00:00

Which of the followings should be fill into the blanks of the query below to find the worker with the **lowest** salary?

Select *

From Workers

Where Salary ____ (



	Question 20	1 / 1 pts
	Which of the following SQL is correct to display all the Workers v salary in the range of 100,000 to 300,000?	vho got
	SELECT * FROM Workers WHERE Salary IN (100000, 300000)	
Correct!	SELECT * FROM Workers WHERE Salary NOT IN (100000, 300)	000)
	SELECT * FROM Workers WHERE Salary BETWEEN 100000 AND 300000	
	SELECT * FROM Workers WHERE Salary NOT BETWEEN 100000 300000	AND

	Question 21 1 / 1 pts	
	In order to construct a query that finds out the departments that have more than 3 people, which of the follow key word is NOT necessary?	
	○ Select	
	○ From	
Correct!	Where	
	O Having	

	Question 22	1 / 1 pts
	Which of the followings should be inserted into the blank for the find the IDs of all people whose last name is both at least 6 challong and ends with 'son'?	-
	Select ID	
	From Workers Where LAST_NAME Like	
Correct!	<pre> %son </pre>	
	○ %%%son	
	son	
	%_%son	

Question 23	0 / 1 pts
Given the following query:	
Select *	
From Bonus as B1 Inner Join Bonus as B2	
On B1.WORKER_ID= B2.WORKER_ID	
How many rows will there be in the result of the query?	

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	○ 8	
ou Answered	4	
	O 5	
orrect Answer	O 9	

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	O Not In		
Correct!	In		

	Question 25	1 / 1 pts
Correct!	Which of the following should be inserted into blank B?	
	SUM	
	COUNT	
	O AVG	
	○ MAX	

	Question 26	0 / 1 pts
	How many rows will there be in the result of the following query?	•
	Select *	
	From Contact	
	Where HOME_PHONE = NULL	
orrect Answer	O 0	
	O 3	
ou Answered	2	

0 1

Which of the followings should be inserted into the blank for the query to increase the salary of all workers by 10%? Update Workers _____ Salary = 1.1 * Salary ____ mod ___ change ___ where ___ set

Correct!

Which of the followings should be inserted into the blank for the query to find the department with the highest average salary?

Select T.Department, ____(T.crt)

From (
Select ____(Salary) as crt

From Workers Group By Department) as T max, mean max, avg mean, max avg, max

Which of the following statements about Views in SQL is NOT true? Views need to be manually updated when the tables that were used to create it have changed. A View is a single table derived from other tables Views can be referenced in FROM clauses just like regular tables. Views are considered to be a virtual tables

Question 30 1 / 1 pts

Which of the following keywords in SQL performs renaming on tables/attributes?

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	○ Select
	O Where
	○ From
Correct!	As

Quiz Score: 25 out of 30