

Knowledge Check 2: Relational Algebra

1

Due No due date	Points 0	Questions 4
Time Limit None	Allowed Attempts Unlimited	

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Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	2 minutes	0 out of 0

Submitted Jan 29 at 11:21am

Question 1

0 / 0 pts

Given two tuple sets (A with 10 elements and B with 5 elements), what is the maximum number of tuples in the union of these sets?

10

15

5

50

The maximum number of tuples is achieved when there is no common elements between A and B.

Correct!

Question 2**0 / 0 pts**

Which mathematical operator must be used in order to display information about students who are majoring in Computer Science but not in Electrical Engineering?

Correct!☒ Difference

The difference operator displays the requested information.

☐ Intersection☐ Union☐ Cartesian Product**Question 3****0 / 0 pts**

Which statement about the selection operator is true?

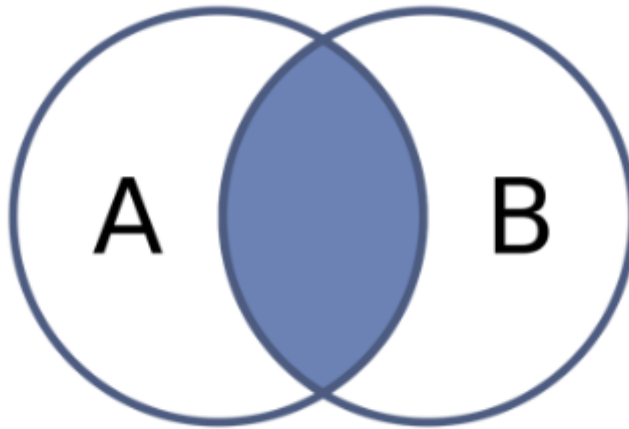
Correct!☒ It filters certain tuples in a relation based on given criteria.

This is the function of the selection operator.

☐ It filters certain attributes in a relation based on given criteria.☐ It requires more than one relation as its input.☐ It requires more than one database as its input.

Question 4**0 / 0 pts**

What join between Table A and Table B does the venn diagram below show?

**Correct!**☒ Inner Join

The highlighted area is the intersection. It returns records based on matching rows in **both** tables.

☐ Left Join☐ Right Join☐ Full Join