

DBDM: Class work practice: Quiz

- Before starting the test, sign-in to your Google account. So that the Google form can be saved.
- In questions, consider the notations as of their usual meaning.
- No doubts will be entertained during the quiz. (later you may email to <chandranath@iitp.ac.in>)

duhan.manjit@gmail.com [Switch account](#)



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* Indicates required question

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Type your full name *

Manjit Singh Duhan

Roll/ admission no. *

IITP001316



The term _____ is used to refer to a row.

- ☐ Attribute
- ☒ Tuple
- ☐ Field
- ☐ Instance

Clear selection

Student (ID, name, dept_name, total_credit). Which attributes form the primary key?

- ☐ name
- ☐ dept
- ☐ total_credit
- ☒ ID

Clear selection

The _____ operation performs a set union of two “similarly structured” tables.

- ☒ Union
- ☐ Join
- ☐ Product
- ☐ Intersect

Clear selection



The _____ operator takes the results of two queries and returns only rows that appear in both result sets.

- ☐ Union
- ☒ Intersect
- ☐ Difference
- ☐ Projection

Clear selection

The subset of a super key is a candidate key under what condition?

- ☒ No proper subset is a super key
- ☐ All subsets are super keys
- ☐ A subset is a super key
- ☐ Each subset is a super key

Clear selection

Which one of the following is used to express the structure of the relation, deleting relations and relating schemas?

- ☐ DML (Data Manipulation Language)
- ☒ DDL (Data Definition Language)
- ☐ Query
- ☐ Relational Schema

Clear selection



“SELECT * FROM employee”. What type of statement is this?

- ☒ DML (Data Manipulation Language)
- ☐ DDL (Data Definition Language)
- ☐ View
- ☐ Integrity constraint

Clear selection

To remove a relation from an SQL database, we use the _____ command.

- ☐ Delete
- ☐ Purge
- ☐ Remove
- ☒ Drop

Clear selection

DELETE FROM relation;

This command performs which of the following action?

- ☐ Remove relation
- ☒ Clear relation entries
- ☐ Delete fields
- ☐ Delete columns

Clear selection



SELECT * FROM employee WHERE dept_name="Comp Sci";

Identify the error in the above SQL.

- ☐ Dept_name
- ☐ Employee
- ☒ "Comp Sci"
- ☐ From

Clear selection

SELECT emp_name FROM department

WHERE dept_name LIKE ' ____ Computer Science';

- ☒ %
- ☐ -
- ☐ ||
- ☐ \$

Clear selection

In the _____ normal form, a composite attribute is converted to individual attributes.

- ☐ First
- ☒ Second
- ☐ Third
- ☐ Fourth

Clear selection



The number of attributes in relation is called as its

- ☐ Cardinality
- ☒ Degree
- ☐ Tuples
- ☐ Entity

Clear selection

Employee (empcode, name, street, city, state, Pincode).

For any Pincode, there is only one city and state. Also, for a given street, city, and state, there is just one Pincode. In normalization terms, Employee is a relation in

- ☒ 1 NF only
- ☐ 2 NF and hence also in 1 NF
- ☐ 3NF and hence also in 2NF and 1NF
- ☐ BCNF and hence also in 3NF, 2NF, and 1NF

Clear selection

Which of the following operation is used if we are interested in only certain columns of a table?

- ☒ PROJECTION
- ☐ SELECTION
- ☐ UNION
- ☐ JOIN

Clear selection



The maximum number of superkeys for the relation schema R (E, F, G, H) with E as the key is

- ☐ 5
- ☐ 6
- ☐ 7
- ☒ 8

Clear selection

Drop Table cannot be used to drop a table referenced by a _____ constraint.

- ☐ Local Key
- ☐ Primary Key
- ☐ Composite Key
- ☒ Foreign Key

Clear selection

Which of the join operations do not preserve non matched tuples?

- ☐ Left outer join
- ☐ Right outer join
- ☒ Inner join
- ☐ Natural join

Clear selection



What type of join is needed when you wish to include rows that do not have matching values?

- ☐ A. Equi join
- ☐ B. Natural join
- ☒ C. Outer join
- ☐ A, B, C (i.e., all of the above)

Clear selection

In an employee table to include the attributes whose value always have some value which of the following constraint must be used?

- ☐ Null
- ☒ Not Null
- ☐ Unique
- ☐ Distinct

Clear selection

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