Assignment 1

Due on 2019-01-11, 23:59 IST.

Week 3 - Week 1

Cluster Section

Week 1 assignments

Week 2 assignments

Week 3 assignments

Week 4 assignments

Week 5 assignments

assignment 1

Assignment 1 Question 1:

Which of the following is an example of spatial data?

- Spatial database
- Topological database
- Location database
- Textual database

Assignment 1 Question 2:

Which one of the following statements is true according to the data representation?

- Spatial data can be represented using an object-oriented paradigm on a CPU.
- Spatial data can be represented using an object-oriented paradigm on a GPU.
- Spatial data can be represented using an object-oriented paradigm on a server.
- Spatial data can be represented using an object-oriented paradigm on a database server.

Assignment 1 Question 3:

Which of the following expressions are true for the data representation?

- A spatial database can be represented using an object-oriented paradigm on a CPU.
- A spatial database can be represented using an object-oriented paradigm on a GPU.
- A spatial database can be represented using an object-oriented paradigm on a server.
- A spatial database can be represented using an object-oriented paradigm on a database server.

Assignment 1 Question 4:

Which of the following statements is true for the data representation?

- A spatial database can be represented using an object-oriented paradigm on a CPU.
- A spatial database can be represented using an object-oriented paradigm on a GPU.
- A spatial database can be represented using an object-oriented paradigm on a server.
- A spatial database can be represented using an object-oriented paradigm on a database server.

Assignment 1 Question 5:

Consider the following transaction model of two polygons, A and B, select the correct topological relations among them.

A. Intersect
B. Contain
C. Touch
D. Disjoint

Assignment 1 Question 6:

Consider the following transaction model of two polygons, A and B, select the correct topological relations among them.

A. Intersect
B. Contain
C. Touch
D. Disjoint

Assignment 1 Question 7:

Database access refers to:

- The process of accessing data described in a formal language supported by the database management system.
- The process of accessing data described in a non-formal language supported by the database management system.
- The process of accessing data described in a formal language supported by the database administrator.
- The process of accessing data described in a formal language supported by the database server.

Assignment 1 Question 8:

What does SQL stand for?

- Structured Query Language
- Standard Query Language
- Sweet Query Language
- Simple Query Language

Assignment 1 Question 9:

Which of the following is/are important in database systems?

- Database modeling
- Database design
- Database implementation
- Database administration

Assignment 1 Question 10:

What is the purpose of data modeling?

- To represent the data in a structured format
- To represent the data in a non-structured format
- To represent the data in a semi-structured format
- To represent the data in an unstructured format