

Started on	Tuesday, 10 May 2022, 10:18 AM
State	Finished
Completed on	Tuesday, 10 May 2022, 10:29 AM
Time taken	10 mins 31 secs
Marks	8.00/10.00
Grade	80.00 out of 100.00

Question
1

Complete
Mark 1.00 out of 1.00

Which of the following is NOT a superkey in a relational schema with attributes V,W,X,Y,Z and primary key V Y ?

Select one:

- ☐ a. VXYZ
- ☒ b. VWXZ
- ☐ c. VWXY
- ☐ d. VWXYZ

Question
2

Complete
Mark 0.00 out of 1.00

The HAVING clause does which of the following ?

Select one:

- ☐ a. Acts like a where clause but is used for groups rather than rows
- ☐ b. Acts like a Where clause but is used for rows rather than columns
- ☐ c. Acts Exactly like a where clause
- ☒ d. Acts like a where clause but is used for columns rather than groups

Question 3

Complete

Mark 1.00 out of
1.00

Which one of the following commands is used to restore the database to the last committed state?

Select one:

- ☐ a. **Savepoint B**
- ☐ b. **Commit**
- ☒ c. **Rollback**
- ☐ d. **Both Savepoint and Rollback**

Question 4

Complete

Mark 1.00 out of
1.00

Find the temperature in increasing order of all cities

Select one:

- ☒ a. **SELECT city, temperature FROM weather ORDER BY temperature**
- ☐ b. **SELECT city, temperature FROM weather ORDER BY city**
- ☐ c. **SELECT city, temperature FROM weather**
- ☐ d. **SELECT city FROM weather ORDER BY temperature**

Question 5

Complete

Mark 1.00 out of
1.00

What does the following query find? (SELECT DISTINCT r.sid FROM boats b, reserves r WHERE b.bid = r.bid AND b.color = 'red') MINUS (SELECT DISTINCT r.sid FROM boats b, reserves r WHERE b.bid = r.bid AND b.color = 'green')

Select one:

- ☐ a. **None of these**
- ☐ b. **Find the sailor ids of atmost one sailor who have reserved red boats but not green boats**
- ☒ c. **Find the sailor IDs of all sailors who have reserved red boats but not green boats**
- ☐ d. **Find the sailor IDs of at least one sailor who have reserved red boats but not green boats**

Question 6

Complete

Mark 1.00 out of
1.00

Which Normalization form is based on the transitive dependency ?

Select one:

- ☒ a. 3NF
- ☐ b. 2NF
- ☐ c. BCNF
- ☐ d. 1NF

Question 7

Complete

Mark 1.00 out of
1.00

which Data structure is used in Hierarchical model records ?

Select one:

- ☐ a. Linked List
- ☐ b. Stacks
- ☐ c. Graph
- ☒ d. Tree

Question 8

Complete

Mark 0.00 out of
1.00

Select the relational algebra operations

Select one:

- ☒ a. Union
- ☐ b. Rename
- ☐ c. Select
- ☐ d. All the above

Question 9

Complete

Mark 1.00 out of
1.00

Which of the following query is correct for using comparison operators in SQL?

Select one:

- ☒ a. **SELECT name, course_name FROM student WHERE age>50 and age <80;**
- ☐ b. **SELECT name, course_name FROM student WHERE age>50 and WHERE age<80;**
- ☐ c. **SELECT name, course_name FROM student WHERE age>50 and <80;**
- ☐ d. **None of these**

Question 10

Complete

Mark 1.00 out of
1.00

Which of the following is the property of transaction that protects data from system failure?

Select one:

- ☐ a. **Isolation**
- ☐ b. **Atomicity**
- ☒ c. **Durability**
- ☐ d. **Consistency**