

## Database Technologies (DBT)

Date:

Question generated by: Mr. Ashok Pate

### Topic / Module: DBT (Session 1)

Q. No.1

What do you mean by HOST in MYSQL?

Answer Choices

- A. HOST is the user name.
- B. HOST is the representation of where the MYSQL server is running.
- C. HOST is the administration's machine name.
- D. HOST is where the MYSQL client is running.

Correct Answer: B

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

In which form MYSQL query results are displayed?

Answer Choices

- A. LIST
- B. TUPLE
- C. ROWS AND COLUMNS
- D. LIST AND TUPLES BOTH

Correct Answer: C

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 2)**

Q. No.1

using the following schema: Find out the domain

**Sailors(sid: integer, sname: char(20))**

Answer Choices

- A. Sid and sname
- B. Integer and char
- C. Sid and integer
- D. sname and char

Correct Answer: B

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

An instance of a relation is a set of

Answer Choices

- A. tuples
- B. column
- C. field
- D. None of the above

Correct Answer: A

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 3)**

Q. No.1

Arity refers to the number of \_\_\_\_\_ in a table.

#### Answer Choices

- A. rows
- B. columns
- C. foreign key
- D. primary key

Correct Answer: B

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

#### Q. No.2

Suppose you are asked to drop a column using alter statement then which syntax you will follow?

#### Answer Choices

- A. ALTER table\_name TABLE DROP COLUMN column\_name;
- B. ALTER table\_name DROP COLUMN column\_name;
- C. ALTER TABLE table\_name DROP COLUMN column\_name;
- D. ALTER TABLE table\_name DROP FIELD column\_name;

Correct Answer: C

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

### Topic / Module: DBT (Session 4)

#### Q. No.1

Integrity constraints can be defined

#### Answer Choices

- A. while creating the table

- B. can be given on an existing table
- C. only while creating the table
- D. Both A and B are true

Correct Answer: D

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

GROUP BY clause is used to \_\_\_\_\_.

Answer Choices

- A. limit the rows to display.
- B. group rows based on one or multiple columns.
- C. filter the row.
- D. sort the result set.

Correct Answer: B

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.3

SQL BETWEEN operators can be used to select the –

Answer Choices

- A. Dates
- B. Texts
- C. Numbers
- D. All of the above

Correct Answer: D

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.4

BETWEEN Operator returns the TRUE value if the column value is –

Answer Choices

- A.  $\leq$ Value1 and  $\geq$ Value2
- B.  $\leq$ Value1 and  $\leq$ Value2
- C.  $\geq$ Value1 and  $\geq$ Value2
- D.  $\geq$ Value1 and  $\leq$ Value2

Correct Answer: D

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 5)**

Q. No.1

RUS returns all tuples that occur

Answer Choices

- A. in both the relation R and S.
- B. only from the first relation R
- C. only from the second relation S
- D. None of the above is true.

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

In MYSQL, two relation R and S are said to be union-compatible if the following conditions hold:

Answer Choices

- A. relation R and S have the same number of the fields
- B. relation R and S have the different number of the fields
- C. the columns in relation R and S may or may not have similar data types
- D. Both A and C

Correct Answer: D

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.3

In CRUD Operator, U is an acronym of –

Answer Choices

- A. Upper
- B. Unique
- C. Update
- D. Uppercase

Correct Answer: C

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 6)**

Q. No.1

SQL EXCEPT statement behaves similar to \_\_\_\_\_ set operator.

Answer Choices

- A. Sum
- B. Multiply
- C. Minus
- D. Divide

Correct Answer: C

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

ORDER BY clause comes \_\_\_\_\_ the EXCEPT clause in SQL statement?

Answer Choices

- A. Before
- B. After
- C. Either to before or after
- D. None of the above

Correct Answer: A

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.3

Using which clause, can SQL EXCEPT be used?

Answer Choices

- A. TO
- B. AS
- C. WHERE
- D. IN

Correct Answer: C

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.4

With which of the following statement(s) can the SQL sub queries be used?

Answer Choices

- A. SELECT
- B. UPDATE
- C. INSERT
- D. All of the above

Correct Answer: D

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.5

Whenever a sub query appears in SQL, it is enclosed within \_\_\_\_\_ and placed to the \_\_\_\_\_ of the SQL operators.

Answer Choices

- A. Square brackets, Left
- B. Square brackets, Right
- C. Parenthesis, Left
- D. Parenthesis, Right

Correct Answer: D

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)



### Topic / Module: DBT (Session 7)

Q. No.1

SQL indexes speed up the execution time of which statement(s)?

Answer Choices

- A. ORDER BY
- B. WHERE
- C. HAVING
- D. None of the above

Correct Answer: B

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

When you define a PRIMARY KEY on a table, InnoDB uses it as the \_\_\_\_\_.

Answer Choices

- A. clustered index
- B. non clustered index
- C. main index
- D. prime index

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

### Topic / Module: DBT (Session 8)

Q. No.1

To associate the routine explicitly with a given database, specify the name as \_\_\_\_\_ when you create it.

Answer Choices

- A. db\_name.sp\_name
- B. db\_name(sp\_name)
- C. sp\_name.db\_name
- D. db\_name:=sp\_name

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

Statements that return a result set can be used within a \_\_\_\_\_.

Answer Choices

- A. stored procedure but not within a stored function
- B. stored function but not within a stored procedure
- C. stored procedure as well as in stored function
- D. None of the above.

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.3

Stored functions may not contain statements that perform \_\_\_\_\_.

Answer Choices

- A. explicit commit
- B. implicit commit
- C. rollback

D. all of the above

Correct Answer: D

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

### Topic / Module: DBT (Session 9)

Q. No.1

What will be the output of the following statement if we print the value of @x?

SET @x = (SELECT 1, 2)

Answer Choices

- A. 1
- B. 2
- C. NULL
- D. it will raise an error

Correct Answer: D

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

Which of the following is/are Scalar function(s)?

Answer Choices

- A. UCASE()
- B. MID()
- C. ROUND()
- D. All of the above

Correct Answer: D

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 10)**

Q. No.1

\_\_\_\_\_ value is returned by the SQL Aggregate functions?

Answer Choices

- A. Single
- B. Multi
- C. Infinite
- D. NULL

Correct Answer: A

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

If there are no matching rows, COUNT() returns \_\_\_\_\_.

Answer Choices

- A. 0
- B. -1
- C. NULL
- D. UNKNOWN

Correct Answer: A

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 11)**

Q. No.1

Which is proper syntax to declare a cursor in MySQL?

Answer Choices

- A. DECLARE CURSOR sinfo FOR select\_statement
- B. DECLARE sinfo CURSOR AS select\_statement
- C. DECLARE sinfo CURSOR FOR select\_statement
- D. DECLARE sinfo CURSOR IS select\_statement

Correct Answer: C

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

Cursor declarations must appear \_\_\_\_\_ variable declarations.

Answer Choices

- A. after
- B. before
- C. either before or after
- D. i n begin block

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Topic / Module: DBT (Session 12)**

Q. No.1

If you drop a table, any triggers for the table are \_\_\_\_\_.

Answer Choices

- A. dropped

- B. disables
- C. not dropped
- D. updated

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

You cannot associate a trigger with \_\_\_\_\_.

Answer Choices

- A. a VIEW
- B. a TEMPORARY table
- C. both A and Both
- D. None of the above

Correct Answer: C

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

### **Topic / Module: DBT (Session 13)**

Q. No.1

Errors that are encountered during the execution of the program are referred to as \_\_\_\_\_ in PL/SQL.

Answer Choices

- A. FUNCTION
- B. CURSOR
- C. EXCEPTION
- D. PROCEDURE

Correct Answer: C

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

What will be the output of the following code?

```
DROP PROCEDURE IF EXISTS PL1;
```

```
DELIMITER $
```

```
CREATE PROCEDURE PL1 (x INT)
```

```
BEGIN
```

```
    DECLARE x INT DEFAULT 0;
```

```
    SELECT x;
```

```
END $
```

```
DELIMITER ;
```

```
SQL> CALL PL1(10);
```

Answer Choices

- A. 10
- B. 0
- C. NULL
- D. error

Correct Answer: B

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

### **Topic / Module: DBT (Session 14)**

Q. No.1

What is/are true about key-value database.

Answer Choices

- A. Retrieving a value stored which is associated with a given key

- B. Deleting the value stored which is associated with a given key
- C. Setting, updating, and replacing the value which is associated with a given key
- D. All of the above options are true

Correct Answer: D

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

Field is a name-value pair in a \_\_\_\_\_.

Answer Choices

- A. Attribute
- B. Table
- C. Document
- D. None of the mentioned above

Correct Answer: C

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

### **Topic / Module: DBT (Session 15 & 16)**

Q. No.1

db.dropDatabase() is used for \_\_\_\_\_.

Answer Choices

- A. Dropping Databases
- B. Creating a Collection
- C. Database Creation
- D. None of the mentioned above

Correct Answer: A



Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.2

What is the command to create a cursor object to read documents from a collection in MongoDB?

Answer Choices

- A. `db.collection.read()`
- B. `db.collection.find()`
- C. `db.collection.getCursor()`
- D. `db.collection.fetch()`

Correct Answer: B

Difficulty Level: Easy

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.3

Which of the following commands can be used to retrieve the number of documents in a collection?

Answer Choices

- A. `db.collection.getSize()`
- B. `db.collection.count()`
- C. `db.collection.getLength()`
- D. `db.collection.getSizeEstimate()`

Correct Answer: B

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.4

Which stage in the MongoDB Aggregation Pipeline is used to filter documents?

Answer Choices

- A. \$match
- B. \$group
- C. \$project
- D. \$sort

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

Q. No.5

How are documents removed from a capped collection when it reaches its maximum capacity?

Answer Choices

- A. Documents are automatically deleted in the order of their insertion.
- B. Documents are randomly deleted from the collection.
- C. Documents can only be removed manually using the `db.collection.remove()` command.
- D. Documents are moved to a separate archive collection.

Correct Answer: A

Difficulty Level: Intermediate

Reference: (Name of books)

(If question taken from book) (Mention name of the book, author, ISBN)

**Total Number of Questions Generated: 40**