

Explain how a database is modified in SQL. OR Explain database modification.

1. Delete:

- Purpose: To remove rows from a table based on specified conditions.
- Key Points:
 - Deletes entire rows, not just specific attribute values.
 - Works only on a table.
 - Syntax:

Explain how a database is modified in SQL. OR Explain database modification.

```
DELETE FROM table_name  
WHERE condition;
```

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2. Insert:

- Purpose: To add new data into a table.
- Key Points:
 - Values must match the order of attributes and their specified domains.
- Syntax:

Explain how a database is modified in SQL. OR Explain database modification.

```
UPDATE table-name  
SET column-name = new-value  
WHERE condition;
```

Explain how a database is modified in SQL. OR Explain database modification.

3. Update:

- Purpose: To modify existing data in a table.
- Key Points:
 - Changes the value of a specific column in a tuple.
- Syntax:

Explain how a database is modified in SQL. OR Explain database modification.

```
UPDATE table-name  
SET column-name = new-value  
WHERE condition;
```

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Related posts:

1. What is database management system (DBMS) ? What are the tasks performed by users in DBMS ?
2. What are the advantages and disadvantages of DBMS ?
3. What do you understand by database users ? Describe the different types of database users.
4. Who are data administrators ? What are the functions of database administrator ?OR Discuss the role of database administrator.
5. What is data abstraction ? Explain different levels of abstraction.
6. Explain the differences between physical level, conceptual level and view level of data abstraction.
7. Explain the difference between database management system (DBMS) and file system.
8. Discuss the architecture of DBMS. What are the types of DBMS architecture ?
9. What are data models ? Briefly explain different types of data models.
10. Describe data schema and instances.
11. Describe data independence with its types
12. Describe the classification of database language. Which type of language is SQL ?
13. Explain DBMS interfaces. What are the various DBMS interfaces ?
14. What is ER model ? What are the elements of ER model ? What are the notations of ER diagram ?
15. What do you understand by attributes and domain ? Explain various types of attributes used in conceptual data model.
16. Construct an ER diagram for University system.
17. Construct an ER diagram for the registrar's office
18. Describe mapping constraints with its types.
19. Explain the primary key, super key, foreign key and candidate key with example. OR

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Define key. Explain various types of keys.

20. What do you mean by a key to the relation ? Explain the differences between super key, candidate key and primary key.
21. Explain generalization, specialization and aggregation. OR Compare generalization, specialization and aggregation with suitable examples.
22. What is Unified Modeling Language ? Explain different types of UML.
23. What is relational model ? Explain with example.
24. Explain constraints and its types.
25. Consider the following relations:
26. What are the additional operations in relational algebra ?
27. Explain integrity constraints.
28. Explain the following constraints : i. Entity integrity constraint. ii. Referential integrity constraint. iii. Domain constraint.
29. Discuss join and types with suitable example. Define join. Explain different types of join.
30. Describe the SQL set operations