Explain any three Hive QL DDL command with its syntax and example ?

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In Previous Years Questions

> *HiveQL DDL commands are used to create, modify, and delete databases, tables, and other objects within the Hive metastore.*

1. CREATE DATABASE

- Syntax: CREATE DATABASE database_name;
- Example: CREATE DATABASE my_database; This command creates a new database named my_database in the Hive metastore.

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2. CREATE TABLE

- Syntax:

```
CREATE TABLE table_name (
  column_1_name data_type [COMMENT 'comment'],
```

```
  column_2_name data_type [COMMENT 'comment'],
  ...
);
```

- Example

```
CREATE TABLE employee_data (
  employee_id INT COMMENT 'Unique ID of the employee',
  name STRING COMMENT 'Employee name',
  department STRING COMMENT 'Department of the employee',
  salary DOUBLE COMMENT 'Monthly salary of the employee'
);
```

This command creates a new table named employee_data with four columns: employee_id, name, department, and salary. Each column has a specific data type and an optional comment describing its purpose.

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3. ALTER TABLE

- Syntax

```
ALTER TABLE table_name
[ADD|DROP] COLUMN column_name data_type [COMMENT 'comment']
```

Explain any three Hive QL DDL command with its syntax and example ?

```
[RENAME TO new_table_name];
```

- Example

```
ALTER TABLE employee_data ADD COLUMN bonus DOUBLE COMMENT 'Monthly
bonus of the employee';
ALTER TABLE employee_data RENAME TO employee_information;
```

The first command adds a new column named bonus to the employee_data table. The second command renames the employee_data table to employee_information.