

Managing and working with databases such as MySQL and MariaDB involves a range of tasks, including installing the database systems, creating databases, tables, and inserting values.

The image displays two screenshots of a VMware ESXi interface, showing the installation of database systems on a virtual machine named "Victor RH8 Grap".

Top Screenshot: The terminal window shows the installation of MariaDB. The command `dnf install mariadb-server mariadb` is executed. The output lists the packages to be installed, their dependencies, and the total size. The installation is successful, and the transaction summary shows that 8 packages were installed, totaling 30 M.

Bottom Screenshot: The terminal window shows the installation of MySQL. The command `dnf install mysql` is executed. The output lists the packages to be installed, their dependencies, and the total size. The installation is successful, and the transaction summary shows that 2 packages were installed, totaling 11 M.

Both screenshots show the VMware ESXi interface with the "Victor RH8 Grap" virtual machine selected. The interface includes a Navigator pane on the left, a main terminal window, and a right-hand pane showing system metrics (CPU, Memory, Storage) and a list of recent tasks.

Managing and working with databases such as MySQL and MariaDB involves a range of tasks, including installing the database systems, creating databases, tables, and inserting values.

The image consists of two screenshots of a VMware ESXi interface, showing the process of connecting to a MariaDB server via a terminal.

Top Screenshot: The terminal window shows the user logging in as root and running the command `mysql -u root -p`. The prompt "Enter password:" is visible.

Bottom Screenshot: The terminal window shows the user successfully logging in as root and running the command `mysql -u root -p`. The prompt "Enter password:" is visible. The terminal output shows the MariaDB monitor welcome message, the server version (10.5.16-MariaDB), and the user's connection ID (3). The user then runs the command `create database vijay;`, which is successful. The user then runs the command `use vijay;`, which is also successful. The terminal output shows the MariaDB monitor welcome message, the server version (10.5.16-MariaDB), and the user's connection ID (3). The user then runs the command `create database vijay;`, which is successful. The user then runs the command `use vijay;`, which is also successful.

Managing and working with databases such as MySQL and MariaDB involves a range of tasks, including installing the database systems, creating databases, tables, and inserting values.

The image displays two screenshots of a VMware ESXi interface, showing a terminal window where MariaDB is being managed. The interface includes a Navigator on the left, a central Terminal window, and a right-hand panel with system metrics and a task list.

Top Screenshot (Jan 5 13:39):

- Terminal Output:**

```
root@localhost:~# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.5.16-MariaDB MariaDB Server

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database vijay;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> use vijay;
Database changed
MariaDB [vijay]> create table mini (id int(5) Name varchar(20) dept varchar(15));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'Name varchar(20) dept varchar(15))' at line 1
MariaDB [vijay]> create table mini (id int(5), Name varchar(20), dept varchar(15));
Query OK, 0 rows affected (0.007 sec)

MariaDB [vijay]> show tables;
+-----+
| Tables_in_vijay |
+-----+
| mini             |
+-----+
1 row in set (0.000 sec)

MariaDB [vijay]>
```
- System Metrics:** CPU 221 MHz, MEMORY 1.44 GB, STORAGE 7.22 GB.
- Task List:** Shows several tasks completed successfully, including 'Completed successfully' at 01/05/2025 13:31:52.

Bottom Screenshot (Jan 5 13:42):

- Terminal Output:**

```
MariaDB [(none)]> use vijay;
Database changed
MariaDB [vijay]> create table mini (id int(5) Name varchar(20) dept varchar(15));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'Name varchar(20) dept varchar(15))' at line 1
MariaDB [vijay]> create table mini (id int(5), Name varchar(20), dept varchar(15));
Query OK, 0 rows affected (0.007 sec)

MariaDB [vijay]> show tables;
+-----+
| Tables_in_vijay |
+-----+
| mini             |
+-----+
1 row in set (0.000 sec)

MariaDB [vijay]> insert into mini (id,Name,dept) values ('1','vijay','cse'),('2','mini','bcm');
Query OK, 2 rows affected (0.245 sec)
Records: 2 Duplicates: 0 Warnings: 0

MariaDB [vijay]> select * from mini;
+----+ Name | dept |
+----+----+----+
| 1  | vijay | cse  |
| 2  | mini  | bcm  |
+----+----+----+
2 rows in set (0.000 sec)

MariaDB [vijay]>
```
- System Metrics:** CPU 221 MHz, MEMORY 1.44 GB, STORAGE 7.22 GB.
- Task List:** Shows several tasks completed successfully, including 'Completed successfully' at 01/05/2025 13:31:52.