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Create a mysql database, tables and insert data

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Q. How do I create a MySQL database and tables?

A. If you want to create a database and set up tables for the same use the following two sql commands:

=> CREATE DATABASE - create the database

=> CREATE TABLE - create the table

=> INSERT - To add/insert data to table

CREATE DATABASE creates a database with the given name. To use this statement, you need the CREATE privilege for the database

CREATE TABLE creates a table with the given name. You must have the CREATE privilege for the table.

INSERT inserts new rows into an existing table.

Procedure for creating a database and a sample table

Login as the mysql root user to create database:

```
$ mysql -u root -p
```

Output:

```
mysql>
```

Add a database called books

```
mysql> CREATE DATABASE books;
```

Now database is created. Use a database with use command:

```
mysql> USE books;
```

Now create a table called authors with name, email and id:

```
mysql> CREATE TABLE authors (id INT, name VARCHAR(20), email VARCHAR(20));
```

Display your table name just created:

```
mysql> SHOW TABLES;
```

Output:

```
+-----+
| Tables_in_books |
+-----+
| authors          |
+-----+
1 row in set (0.00 sec)
```

Now add a data / row to table books using INSERT statement:

```
mysql> INSERT INTO authors (id,name,email) VALUES (1,"Vivek","xuz@abc.com");
```

Output:

```
Query OK, 1 row affected (0.00 sec)
```

Add few more rows:

```
mysql> INSERT INTO authors (id,name,email) VALUES (2,"Priya","p@gmail.com");  
INSERT INTO authors (id,name,email) VALUES (3,"Tom","tom@yahoo.com");
```

Now display all rows:

```
mysql> SELECT * FROM authors;
```

Output:

```
+-----+-----+-----+  
| id  | name  | email          |  
+-----+-----+-----+  
| 1   | Vivek | xuz@abc.com    |  
| 2   | Priya | p@gmail.com    |  
| 3   | Tom   | tom@yahoo.com  |  
+-----+-----+-----+  
3 rows in set (0.00 sec)
```

Now you know how to create a database and a table. For further information please see MySQL [data types and official documentation](#) ^[1].

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[1] data types and official documentation: <http://dev.mysql.com/doc/refman/5.0/en/data-types.html>