Creating Tables

MAD 202

Creating Tables

- To create a table it is necessary to name the table and all the attributes that compose it

- To create a table, you specify the following:
  - Table name
  - Column names
  - Data Types of the Columns
  - Default Values of columns
  - Constraints

Example

```
CREATE TABLE table
(
column1 data_type1 [col_constraint],
column2 data_type2 [col_constratint],
….

);
```

CREATE some tables

```
CREATE TABLE title
(
  title_id CHAR(3),
  title_name VARCHAR(40),
  type VARCHAR(10),
  pub_id CHAR(3),
  pages INTEGER,
  price DECIMAL(5,2),
  sales INTEGER,
  pubdate DATE,
  contract SMALLINT
);
```

```
CREATE TABLE title_authors
(
  title_id CHAR(3),
  au_id CHAR(3),
  au_order SMALLINT,
  royalty_share DECIMAL(5,2)
);
```

Table info

- If you try to create a table with a name that already exists you will get an error.


```
Error

SQL query:


 CREATE TABLE title
 (
      title_id CHAR(3),
      name VARCHAR(14)

      )

MySQL said:  ⓘ

#1050 - Table 'title' already exists
```

- A newly created table is empty – has 0 rows

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0109 sec)