

Creating a Table with Constraints

CREATE TABLE Syntax

```
CREATE [TEMPORARY] TABLE [IF NOT EXISTS] tbl_name  
(create_definition,...) [table_options]  
[partition_options]
```

Creating Tables

Column information for customers table:

- cust_id INT PRIMARY KEY AUTO_INCREMENT
- username VARCHAR(50) NOT NULL UNIQUE
- first_name VARCHAR(50)
- last_name VARCHAR (50)
- phone_number VARCHAR(25)

Column information for products table:

- product_id INT PRIMARY KEY AUTO_INCREMENT
- product_type VARCHAR(255) NOT NULL UNIQUE
- price DECIMAL (10,2)



Creating a Table with Constraints

Creating Tables (cont.)

Column information for orders table:

- `order_id INT PRIMARY KEY AUTO_INCREMENT`
- `cust_id INT FOREIGN KEY REFERENCES customers(cust_id)`
- `product_type VARCHAR(255) NOT NULL FOREIGN KEY REFERENCES products(product_type)`
- `quantity INT DEFAULT 1`
- `order_date DATE`

Create a New Tab Based on an Existing Table

Using the `CREATE TABLE ... SELECT` syntax:

```
mysql> CREATE TABLE new_tbl [AS] SELECT * FROM orig_tbl;
```

Using the `CREATE TABLE ... LIKE` syntax:

```
mysql> CREATE TABLE new_tbl LIKE orig_tbl;
```

