

A modern conference room with large windows and a long table. The room is empty, with several chairs arranged around the table. The view outside the windows shows a cityscape. The text "Creating a Table" is overlaid in the center.

Creating a Table

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SQL

```
CREATE DATABASE [IF NOT EXISTS] sales;
```

Creating a Table



SQL

```
CREATE DATABASE [IF NOT EXISTS] sales;
```

```
CREATE TABLE table_name ( );
```

Creating a Table



SQL

```
CREATE DATABASE [IF NOT EXISTS] sales;
```

```
CREATE TABLE table_name ( );
```

- compulsory requirement: add *at least* one column

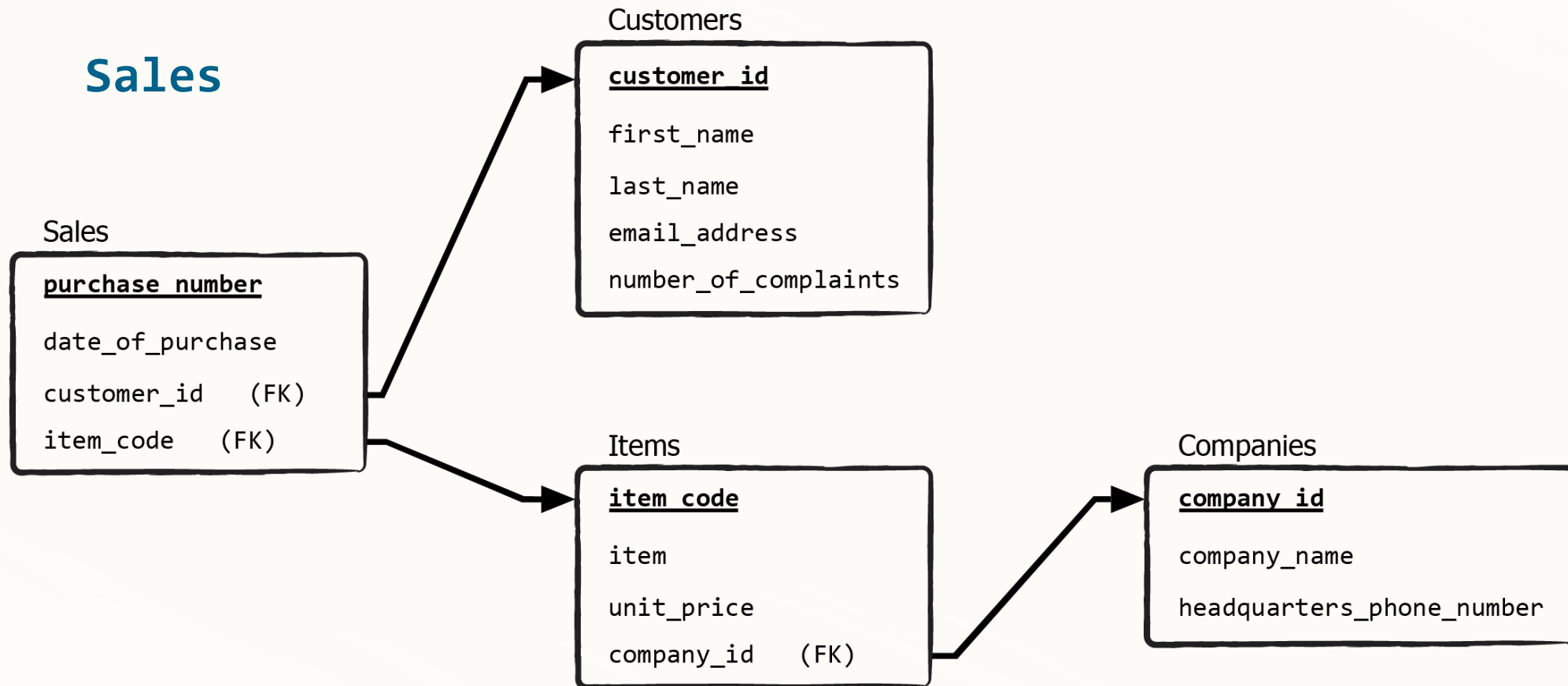
Creating a Table



SQL

```
CREATE TABLE table_name  
(  
    column_1 data_type constraints,  
    column_2 data_type constraints,  
    ...  
    column_n data_type constraints  
);
```

Creating a Table



Creating a Table

- **AUTO_INCREMENT**

frees you from having to insert all purchase numbers manually through the INSERT command at a later stage

Creating a Table

● AUTO_INCREMENT

frees you from having to insert all purchase numbers manually through the INSERT command at a later stage

- assigns 1 to the first record of the table and automatically increments by 1 for every subsequent row

Creating a Table

AUTO_INCREMENT

sales

purchase_number
1
2
3
4
...
n

Creating a Table

AUTO_INCREMENT

sales

purchase_number
1
2
3
4
...
n

SALES			
purchase_number	date_of_purchase	customer_id	item_code
1	03/09/2016	1	A_1
2	02/12/2016	2	C_1
3	15/04/2017	3	D_1
4	24/05/2017	1	B_2
5	25/05/2017	4	B_2
6	06/06/2017	2	B_1
7	10/06/2017	4	A_2
8	13/06/2017	3	C_1
9	20/07/2017	1	A_1
10	11/08/2017	2	B_1

Creating a Table

