

A modern conference room with a large glass wall overlooking a city. The room contains a long, dark wooden conference table and several black office chairs. The text "Creating a Table" is overlaid in the center.

# Creating a Table

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SQL

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

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

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- compulsory requirement: add *at least* one column

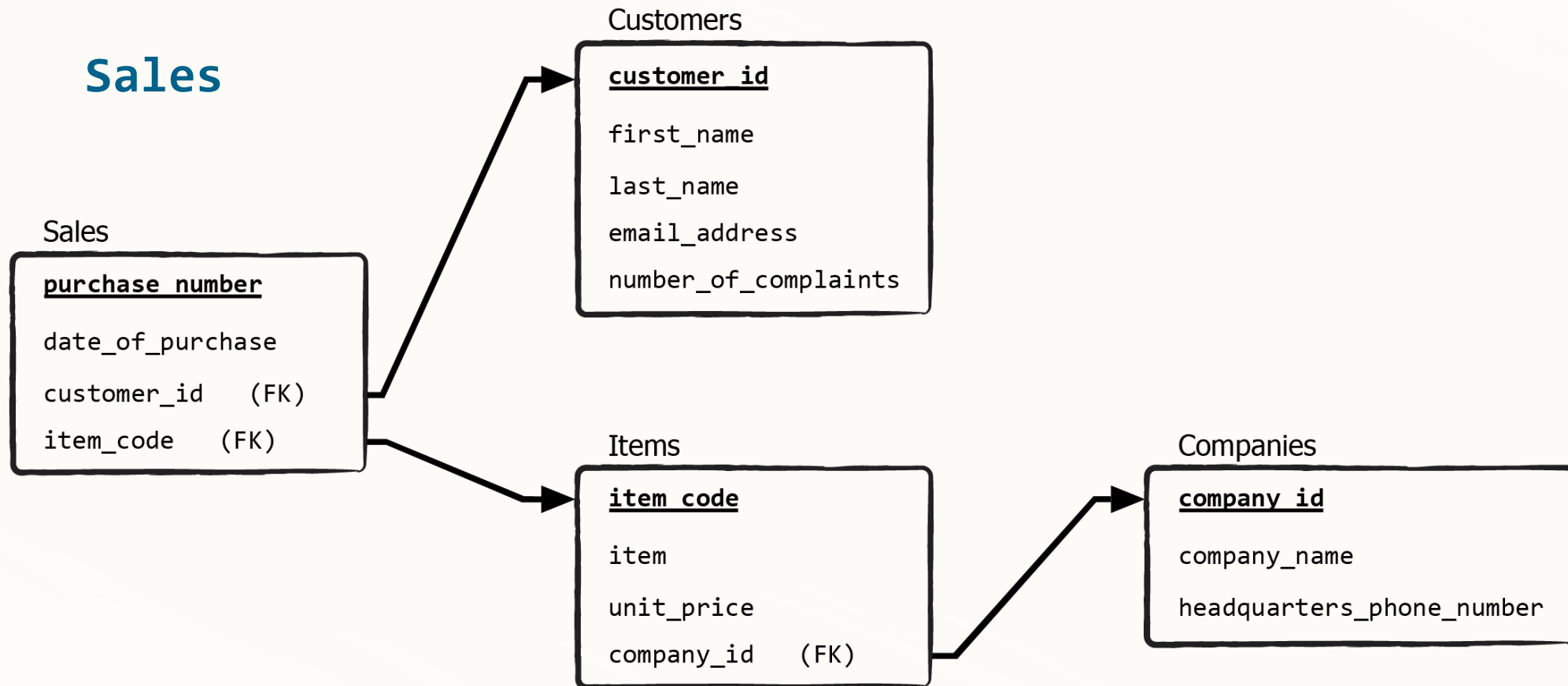
# Creating a Table



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

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## 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

