ER to Relational - Summary
ER Model

Relational Model
SQL: Creating Tables

```
CREATE TABLE table_name(
    column_name1 column_type1 [constraints1],
    ..., [CONSTRAINT constraint_name] table_constraint
)
```

Table constraints:
- NULL/NOT NULL
- PRIMARY KEY (columns)
- UNIQUE (columns)
- CHECK (conditions)
- FOREIGN KEY (local_columns) REFERENCES foreign_table (foreign_columns) [ON DELETE action_d ON UPDATE action_u]

Specify surrogate key in SQL Server:
```
column_name int_type IDENTITY (seed, increment)
```

Specify surrogate key in MySQL:
```
column_name int_type AUTO_INCREMENT
```
Transform to Relational Model

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1:N Recursive Relationship – Transform to Relational Model
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