

# Unfinished Parts [Tesla SQL Interview Question]

Tesla is investigating production bottlenecks and they need your help to extract the relevant data. Write a query to determine which parts have begun the assembly process but are not yet finished.

Assumptions:

- `parts_assembly` table contains all parts currently in production, each at varying stages of the assembly process.
- An unfinished part is one that lacks a `finish_date`.

This question is straightforward, so let's approach it with simplicity in both thinking and solution.

*Effective April 11th 2023, the problem statement and assumptions were updated to enhance clarity.*

`parts_assembly` Table

Column Name	Type
part	string
finish_date	datetime
assembly_step	integer

`parts_assembly` Example Input

part	finish_date	assembly_step
battery	01/22/2022 00:00:00	1
battery	02/22/2022 00:00:00	2
battery	03/22/2022 00:00:00	3
bumper	01/22/2022 00:00:00	1

part	finish_date	assembly_step
bumper	02/22/2022 00:00:00	2
bumper		3
bumper		4

### Example Output

part	assembly_step
bumper	3
bumper	4

### Explanation

The bumpers in step 3 and 4 are the only item that remains unfinished as it lacks a recorded finish date.

The dataset you are querying against may have different input & output - **this is just an example!**