CHALLENGES

challenge **bugsInComponent**

8:19:12

Author Albinutte 4000 +56

DESCRIPTION SOLUTIONS 205 COMMENTS 26 README CODEWRITING

You recently started working at a promising new startup. Now that you're at the end of the first week, you're surprised the product is still working at all: there are bugs in almost every one of its components!

Information about all bugs is stored in a table **Bug**, and information about components is stored in a **Component** table. Since some bugs may be present in several components and vice versa, the additional **BugComponent** table contains rows representing connections between bugs and components. In the database the tables are stored as follows:

- **Bug**:
  - `num` : unique bug number
  - `title` : bug title
- **Component**:
  - `id` : unique component id
  - `title` : component title
- **BugComponent**:
  - `bug_num` : foreign key referencing `Bug.num`
  - `component_id` : foreign key referencing `Component.id`

There are so many bugs that you don't know what to begin with. To help yourself decide, you want to find all bugs that affect more than one component, and find these components' names. Since it's difficult to test too buggy components, you also want to know how many bugs each such component has. The resulting table should thus contain the following columns:

- `bug_title` : bug title
- `component_title` : title of the component to which this bug belongs
- `bugs_in_component` : total number of bugs in this component

The results should be sorted by the number of bugs in the component in the descending order. In case of a tie, the component with the smallest `id` should go first. In case it's not enough to break a tie, `bug_num` should be a tie-breaker: the `bug` with the smallest `num` should go first.