

Query all rows and columns from a table

- `SELECT * FROM allergies;`

| ID | S | S... | P... | E... | C... | D... | C... | T... | C... | R... | R... | S... | R... | R... | Severity... |
|----|------|------|------|------|------|------|------|--------|------|------|------|------|------|-------|-------------|
| 1 | S... | S... | P... | E... | C... | S... | D... | T... | C... | R... | D... | S... | R... | D... | SEVERIT... |
| 2 | S... | S... | P... | E... | C... | S... | D... | T... | C... | R... | D... | S... | R... | D... | SEVERIT... |
| 2 | | | b... | 0... | 1... | U... | L... | all... | e... | 2... | W... | M... | | | |
| 2 | | | b... | 0... | 8... | U... | M... | all... | e... | 7... | S... | M... | | | |
| 2 | | | b... | 0... | 2... | U... | H... | all... | e... | | | | | | |
| 2 | | | b... | 0... | 2... | U... | A... | all... | e... | 8... | R... | M... | 2... | Er... | MILD |
| 2 | | | b... | 0... | 2... | U... | G... | all... | e... | | | | | | |

Retrieve all Start Dates for the Category with food allergy

- select Start, Category from allergies
where Category='food';

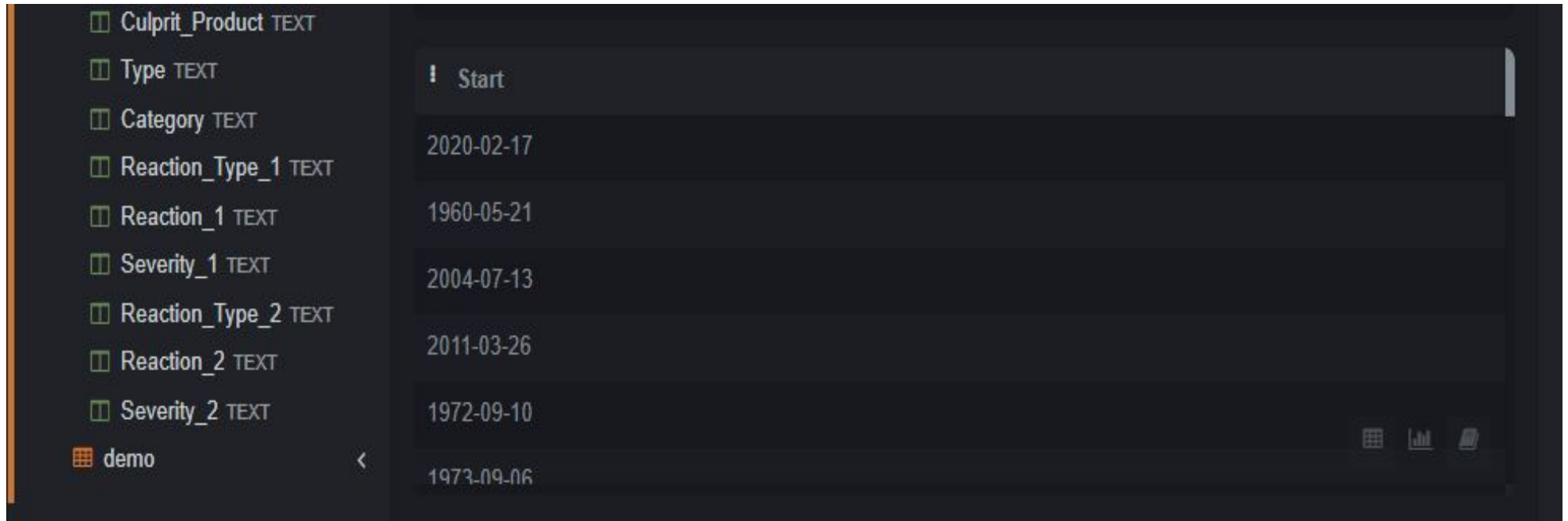


The screenshot shows a database application interface with a dark theme. On the left is a sidebar with a list of fields: Culprit_Product TEXT, Type TEXT, Category TEXT, Reaction_Type_1 TEXT, Reaction_1 TEXT, Severity_1 TEXT, Reaction_Type_2 TEXT, Reaction_2 TEXT, and Severity_2 TEXT. Below these is a 'demo' button with a grid icon and a left arrow. The main area displays a table with two columns: 'Start' and 'Category'. The table contains five rows of data, all with the category 'food'. The dates in the 'Start' column are 2020-02-17, 2020-02-17, 2020-02-17, 1981-05-17, and 1960-01-05. At the bottom of the table, there is a partially visible row with the date 1960-05-21. In the bottom right corner of the table area, there are three small icons: a grid, a bar chart, and a document.

| Start | Category |
|------------|----------|
| 2020-02-17 | food |
| 2020-02-17 | food |
| 2020-02-17 | food |
| 1981-05-17 | food |
| 1960-01-05 | food |
| 1960-05-21 | food |

Retrieve distinct (Unique) Start Dates for 'medication allergy' Category

```
select DISTINCT Start from allergies  
where Category='medication';
```

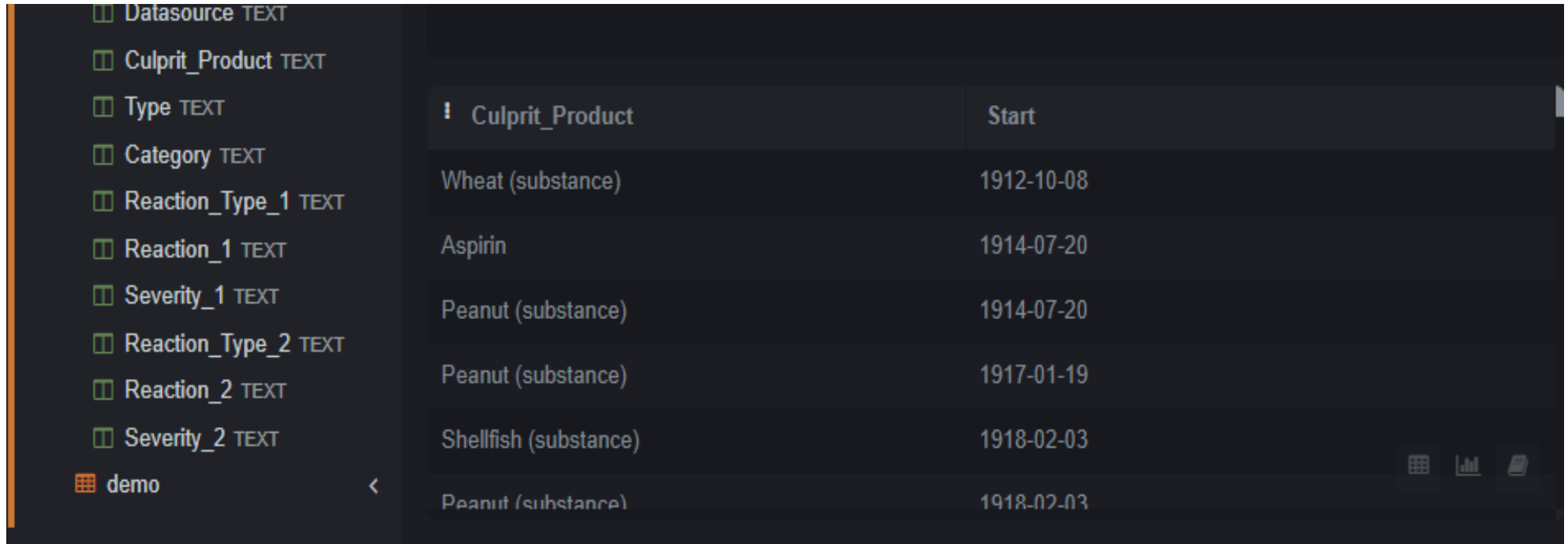


The screenshot shows a database query interface with a dark theme. On the left, a sidebar lists database fields: Culprit_Product TEXT, Type TEXT, Category TEXT, Reaction_Type_1 TEXT, Reaction_1 TEXT, Severity_1 TEXT, Reaction_Type_2 TEXT, Reaction_2 TEXT, and Severity_2 TEXT. Below these is a 'demo' button. The main area displays the results of the query 'select DISTINCT Start from allergies where Category='medication';'. The results are shown as a list of dates: 2020-02-17, 1960-05-21, 2004-07-13, 2011-03-26, 1972-09-10, and 1973-09-06. A header row with an exclamation mark icon and the text 'Start' is at the top of the results list. At the bottom right of the interface are icons for a grid, a bar chart, and a document.

| ! | Start |
|---|------------|
| | 2020-02-17 |
| | 1960-05-21 |
| | 2004-07-13 |
| | 2011-03-26 |
| | 1972-09-10 |
| | 1973-09-06 |

Retrieve Start Date for all Culprit Products in Ascending Order

```
select culprit_product,Start from allergies  
order BY Start;
```

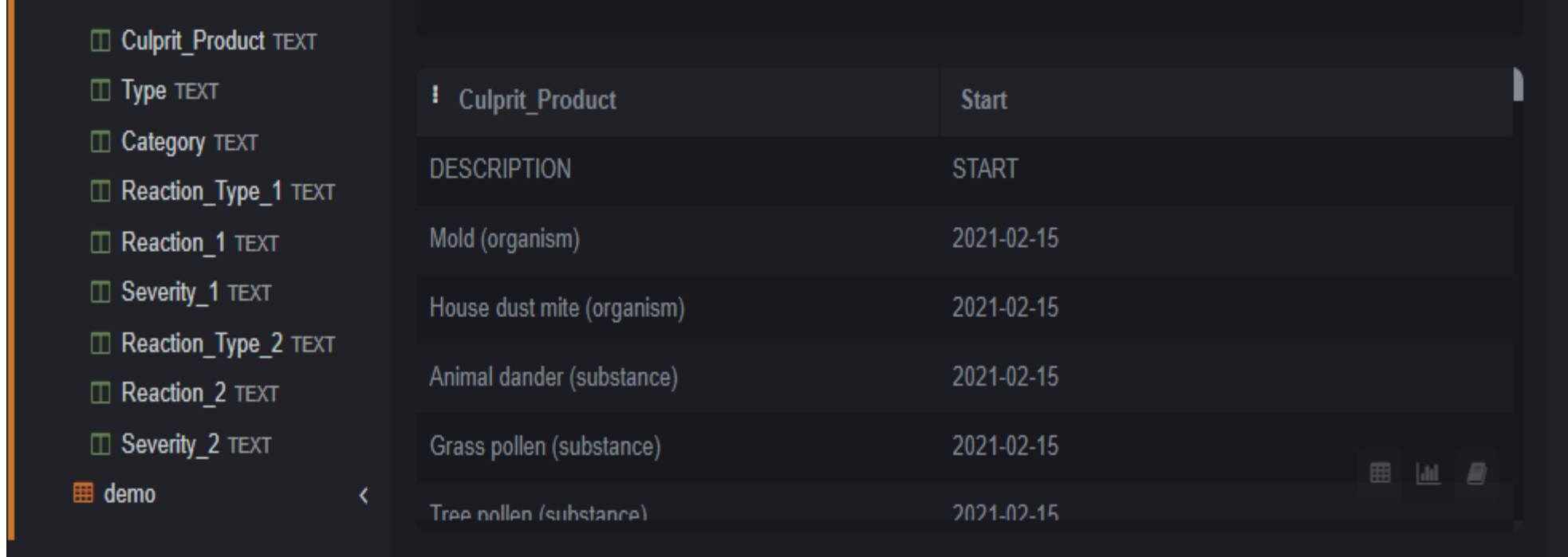


The screenshot shows a database query interface. On the left is a sidebar with a list of fields: Datasource TEXT, Culprit_Product TEXT, Type TEXT, Category TEXT, Reaction_Type_1 TEXT, Reaction_1 TEXT, Severity_1 TEXT, Reaction_Type_2 TEXT, Reaction_2 TEXT, and Severity_2 TEXT. Below this list is a 'demo' button. The main area displays a table with two columns: 'Culprit_Product' and 'Start'. The table contains six rows of data, sorted by the 'Start' date in ascending order. The last row is partially obscured by a dark overlay.

| Culprit_Product | Start |
|-----------------------|------------|
| Wheat (substance) | 1912-10-08 |
| Aspirin | 1914-07-20 |
| Peanut (substance) | 1914-07-20 |
| Peanut (substance) | 1917-01-19 |
| Shellfish (substance) | 1918-02-03 |
| Peanut (substance) | 1918-02-03 |

Retrieve Start Date for all Culprit Products in Descending Order

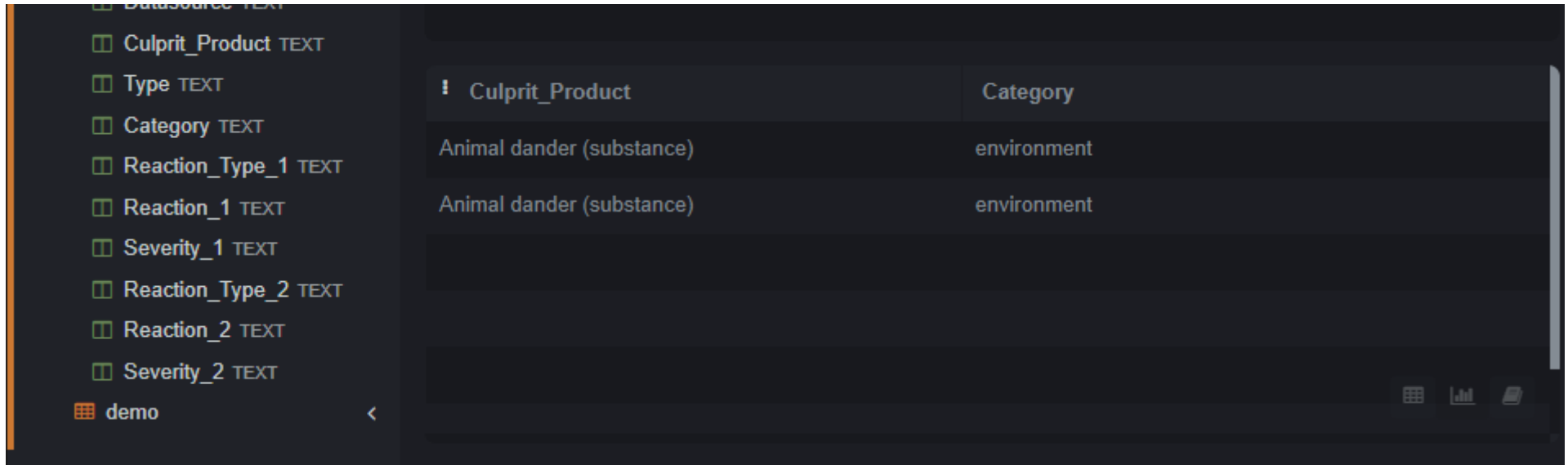
```
select culprit_product,Start from allergies  
order BY Start DESC;
```



| Culprit_Product | Start |
|----------------------------|------------|
| DESCRIPTION | START |
| Mold (organism) | 2021-02-15 |
| House dust mite (organism) | 2021-02-15 |
| Animal dander (substance) | 2021-02-15 |
| Grass pollen (substance) | 2021-02-15 |
| Tree pollen (substance) | 2021-02-15 |

Retrieve only first 2 rows for Culprit Products, Category in Ascending Order

```
SELECT culprit_product, Category  
FROM allergies  
ORDER BY culprit_product, Category  
LIMIT 2 ;
```



The screenshot shows a database query interface. On the left, a sidebar lists database tables: `DataSource` (TEXT), `Culprit_Product` (TEXT), `Type` (TEXT), `Category` (TEXT), `Reaction_Type_1` (TEXT), `Reaction_1` (TEXT), `Severity_1` (TEXT), `Reaction_Type_2` (TEXT), `Reaction_2` (TEXT), and `Severity_2` (TEXT). The `demo` database is selected. The main area displays the result of the query as a table with two columns: `Culprit_Product` and `Category`. The table contains two identical rows, both showing `Animal dander (substance)` for the product and `environment` for the category.

| Culprit_Product | Category |
|---------------------------|-------------|
| Animal dander (substance) | environment |
| Animal dander (substance) | environment |

Retrieve top 2nd, 3rd unique Start Dates by excluding top 1st row

- SELECT DISTINCT Start
- FROM allergies
- LIMIT 2 OFFSET 1;
-
- The screenshot shows a dark-themed database application. On the left, a sidebar lists columns from a table named 'allergies': Patient TEXT, Encounter TEXT, Code TEXT, Datasource TEXT, Culprit_Product TEXT, Type TEXT, Category TEXT, Reaction_Type_1 TEXT, Reaction_1 TEXT, Severity_1 TEXT, Reaction_Type_2 TEXT, Reaction_2 TEXT, and Severity_2 TEXT. Below this list is a tab labeled 'demo'. The main area displays the results of a SQL query. It starts with a header row containing an exclamation mark icon and the text 'Start'. Below this are two rows of dates: '2020-02-17' and '1981-05-17'. At the bottom right of the main area are three icons representing different views: a grid, a bar chart, and a document.