

SQL:

```
SELECT s.name AS 'Name', c.category AS 'Category', IF(c.category < 3, 'Failed', 'Passed') AS 'Result' FROM students s JOIN categories c ON s.score BETWEEN c.min_Score AND c.max_Score ORDER BY 2 DESC;
```

Output:

The screenshot shows a SQL IDE interface with a query editor at the top and a results panel below. The query editor contains the following SQL code:

```
1 select * from students;
2 select * from categories;
3
4 SELECT s.name AS 'Name', c.category AS 'Category', IF(c.category < 3, 'Failed', 'Passed') AS 'Result' FROM students s
5 JOIN categories c ON s.score BETWEEN c.min_Score AND c.max_Score ORDER BY 2 DESC;
6
7
```

The results panel displays a table with the following data:

Name	Category	Result
Reed	5	Passed
Jake	4	Passed
Bob	3	Passed
Jane	2	Failed
John	1	Failed

The results panel also shows a table with 15 rows and 4 columns. The table is titled "Result 15".

Student Dataset:

The screenshot shows a SQL IDE interface with a query editor at the top and a results panel below. The query editor contains the following SQL code:

```
1 select * from students;
2 select * from categories;
3
4 SELECT s.name AS 'Name', c.category AS 'Category', IF(c.category < 3, 'Failed', 'Passed') AS 'Result' FROM students s
5 JOIN categories c ON s.score BETWEEN c.min_Score AND c.max_Score ORDER BY 2 DESC;
6
7
```

The results panel displays a table with the following data:

id	name	score
1	John	25
2	Jane	43
3	Bob	61
4	Jake	78
5	Reed	88
NULL	NULL	NULL

The results panel also shows a table with 16 rows and 3 columns. The table is titled "students 16".

Categories Dataset:

The screenshot shows a SQL IDE interface. The top panel contains a SQL query with line numbers 1 through 7. The query is as follows:

```
1 • select * from students;
2 • select * from categories;
3
4 • SELECT s.name AS 'Name', c.category AS 'Category', IF(c.category < 3, 'Failed', 'Passed') AS 'Result' FROM students s
5 JOIN categories c ON s.score BETWEEN c.min_Score AND c.max_Score ORDER BY 2 DESC;
6
7
```

Below the query editor, the 'Result Grid' is displayed. It shows a table with columns 'category', 'min_Score', and 'max_Score'. The table contains 5 rows of data, with the first row highlighted. The data is as follows:

	category	min_Score	max_Score
1	0	30	
2	31	45	
3	46	65	
4	66	85	
5	86	100	
	NULL	NULL	NULL

At the bottom of the interface, there are two tabs: 'students 16' and 'categories 17'. The 'categories 17' tab is currently selected. An 'Apply' button is located at the bottom right of the interface.