

ROUND() with a Negative Parameter

The screenshot shows a web browser window with the URL `campus.datacamp.com/courses/intermediate-sql/aggregate-functions-3?ex=7`. The page is titled "Exercise" and "ROUND() with a negative parameter". It includes a description of the `ROUND()` function with a negative parameter, explaining that it rounds to the nearest thousand. The instructions section states: "Calculate the average budget from the films table, aliased as avg_budget_thousands, and round to the nearest thousand." Below the instructions is a "Take Hint (-50 XP)" button. On the right side, there is a SQL editor with the following code:

```
1 -- Calculate the average budget rounded to the thousands
2 ---
```

 Below the editor are buttons for "Run Code" and "Submit Answer". The query result section shows "No query executed yet...".

Question

Calculate the average budget from the films table, aliased as `avg_budget_thousands`, and round to the nearest thousand.

Answer

```
-- Calculate the average budget rounded to the nearest thousand
SELECT ROUND(AVG(budget), -3) AS avg_budget_thousands
FROM films;
```

Code Explanation

1. `SELECT ROUND(AVG(budget), -3)`: Calculates the average of the 'budget' column and rounds the result to the nearest thousand using the `ROUND` function with a negative parameter (-3).
2. `AS avg_budget_thousands`: Assigns the alias 'avg_budget_thousands' to the calculated value.
3. `FROM films`: Specifies the 'films' table as the source of data.