

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 contains a description of the ROUND() function and a task instruction: "Calculate the average budget from the films table, aliased as avg_budget_thousands, and round to the nearest thousand." Below the instruction is a "Take Hint (-50 XP)" button. On the right side, there is a code editor with the following SQL query:

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

Below the code editor is a "query result" section showing "films" and "No query executed yet...". At the bottom of the page, there is a Windows taskbar with various icons and a system clock showing 18:13 on 27/11/2024.

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.