

Database Week 3 Assignment

1. Write a query to find the total amount you spent in each category (Groceries, Entertainment, etc.). Hint: Use GROUP BY category and SUM(amount).

```
USE expense_tracker;
SELECT category, SUM(amount) AS total_spent
FROM expenses
GROUP BY category;
```

2. let's see the average cost for each category. Write a query to find the average expense amount for each category. Hint: Use GROUP BY category and AVG(amount).

```
USE expense_tracker;
SELECT category, AVG(amount) AS average_spent
FROM expenses
GROUP BY category;
```

3. Bonus Challenge (Optional):
Are you curious about your top spending categories? Modify your query from Challenge 1 to show only the top 3 (or a chosen number) categories where you spend the most.

```
USE expense_tracker;
SELECT category, SUM(amount) AS total_spent
FROM expenses
GROUP BY category
ORDER BY total_spent DESC
LIMIT 3;
```