

## Lab 2 – Tasks 1 & 2 Summary

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### Task 1: Get Started with Looker

#### Goal:

Create a new dashboard in your personal folder to begin visualizing loan health data.

#### Steps:

1. In Looker's **navigation panel**, expand **Folders**.
  2. Open **My folder** (Developer Student's folder).
  3. Click **New** → **Dashboard**.
  4. Name the dashboard **Loan Insights**.
  5. Click **Create Dashboard**.
  6. Click **Edit Dashboard** to begin adding visualizations.
  7. Use **Add Tile** to insert charts, tables, or maps.
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### Task 2: Build a Visualization for Total Outstanding Loans






#### Goal:

Create a visualization showing the **total amount of outstanding loans**, with a threshold indicator for \$3,000,000,000.

#### Steps:

1. Click **Add Tile** → choose **Loan Details Explore**.
2. In the **All Fields tab**, expand the **Loan** section.
3. Review dimensions and measures using the info icon.
4. Open **loan.view** in LookML to understand field definitions.

#### Key Questions & Answers:

- **What is the relationship between the loan.view file and dimensions/measures?**
  -  It defines the dimensions and measures available for analysis in the loan view.
  -  It is defined in LookML code specifying the dataset and fields.
- **Which measure should be used to visualize total outstanding loan balance?**
  -  Outstanding Loans Amount measure
- **Best visualization type for this data?**
  -  Single value visualization
- **How many rows of data are returned?**
  -  1 (a single aggregated value)

- Which query is used to obtain the data?

☒ Query A

SQL

```
SELECT COALESCE(SUM(CASE WHEN (loan.loan_status <> 'Fully  
Paid' OR loan.loan_status IS NULL) THEN loan.loan_amount ELSE NULL END), 0)  
AS loan_outstanding_loans_amount FROM `cloud-training-  
demos.fintech.loan` AS loan LIMIT 500;
```

Afficher plus de lignes

- What does this query do?

☒ Calculates the **total balance of outstanding loans**

### Final Steps:

1. In the **Visualization bar**, click **Edit** → go to **Formatting tab**.
2. Enable **Conditional Formatting**.
3. Add a rule: background turns **red** if value > \$3,000,000,000.
4. Title the tile: **Total Amount of Outstanding Loans**.
5. Click **Save** to add the tile to the dashboard.
6. Save the dashboard itself.