Task: SQL for Data Analysis

Data Analyst Internship

Dataset: Synthetic Ecommerce (customers, orders, order_items)

Deliverables: SQL queries (.sql) and query outputs

Select All Customers

```
customer_id | name | country --------------------------- 1 | Alice | USA 2 | Bob | UK 3 | Charlie
USA 5 | Ethan | UK
```

Total Orders per Customer

```
name | total_orders ------------------- Alice | 2 Bob | 1 Charlie | 1 Diana | 1 Ethan | 1
```

Average Order Value

```
avg_order_value --------------- 386.6666666666667
```

Orders Above $300

order_id | customer_id | order_date | total_amount ---
| 700.0 5 | 4 | 2024-04-10 | 500.0 2 | 2 | 2024-02-15 | 450.0

Inner Join Example

```
order_id | name | total_amount ------------------------------- 1 | Alice | 250.0 2 | Bob | 450.0 3 | Charlie | 300.0 5 | Diana | 500.0 6 | Ethan | 700.0
```

Subquery Example (Customers with total spend > $400)

```
name ---- Bob Diana Ethan
```

Create View for High Value Orders

SQL Statement:

```
CREATE VIEW high_value_orders AS SELECT * FROM orders WHERE total_amount > 400;
```

Select from View

```
order_id | customer_id | order_date | total_amount --------------------------------------------------
| 450.0 5 | 4 | 2024-04-10 | 500.0 6 | 5 | 2024-05-01 | 700.0
```

Submission & GitHub Instructions

1. Create a new GitHub repository, e.g. Task4_SQL_Analysis.
2. Add files: final_sql_task_report.pdf, ecommerce_analysis_queries.sql, screenshots (if
3. To upload via web: Add file -> Upload files -> Commit changes.
4. Or via git:
   git init
   git add .
   git commit -m "Task 4 SQL analysis"
   git branch -M main
   git remote add origin https://github.com/YourUsername/Task4_SQL_Analysis.git
   git push -u origin main
5. Submission form: https://forms.gle/p8F9dtXF1GrHx5wU8