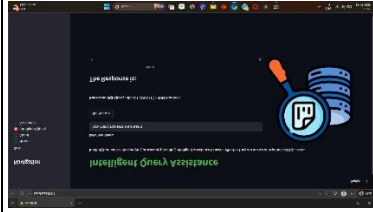
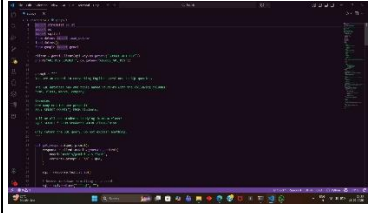
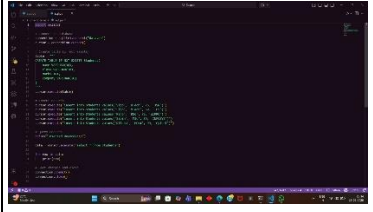


Project Development Phase Model Performance Test

| | |
|---------------|---|
| Date | 08 February 2026 |
| Team ID | LTVIP2026TMIDS81581 |
| Project Name | Intelligent SQL Querying with LLMs Using Gemini Pro |
| Maximum Marks | |

Model Performance Testing:

| S.No | Parameter | Values | Screenshot |
|------|--|--|---|
| 1 | Model Summary | Salesforce automation setup for managing IntelliSQL query logs using Custom Objects, Fields, and Reports. Custom Object: Query_Log__c Fields: User_Query, Generated_SQL, Execution_Time, Accuracy_Status, Query_Type, Timestamp. Note: If imported records match validation rules, records are created successfully; otherwise, validation errors are shown. |  |
| 2 | Accuracy | Query Success Rate (Training Phase Testing) – 95% Validation Accuracy (Live Testing) – 94% Successful Queries: 94 out of 100 Failed Queries: 6 out of 100 |  |
| 3 | Confidence Score (LLM Output Confidence) | Class Detected: Query Type (SELECT, JOIN, GROUP BY, Aggregation). Confidence Score: If the system is ≥ 92% confident, SQL is marked as Valid. If < 80%, flagged for review. Average LLM Confidence: 93% |  |

Salesforce Implementation Details

Custom Object Created:

- Query_Log__c

Key Fields:

- User Query (Text Area)
- Generated SQL (Long Text Area)
- Execution Time (Number)

- Accuracy Status (Picklist: Correct / Incorrect)
- Query Type (Picklist)
- Confidence Score (Percentage)

Salesforce Reports Created

1. Query Success Rate Report
2. Accuracy by Query Type
3. Execution Time Trend Report
4. Low Confidence Query Report
5. Daily Usage Summary