# Meeting Minutes - DAY 10

| Meeting Topic | Date | Time |
|---|---|---|
| Update on tasks assigned. Brief discussion on updating details in given Tracker sheet | 06/05/2024 | 11:30 AM to 1:00 PM |
| **Company** | **Location** | **Mode** |
| FUTURENSE | Jain University-SET | Offline: In person |

## ATTENDEES

- FUTURENSE TECHNOLOGIES
- SPEAKER: MR. AKASH DAS
- 2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

## AGENDA

1. INTRODUCTION TO SQL QUERIES AND THEIR IMPORTANCE IN DATA RETRIEVAL AND MANIPULATION.
2. DISCUSSION ON VARIOUS SQL FUNCTIONS, INCLUDING AGGREGATE FUNCTIONS, STRING MANIPULATION FUNCTIONS, AND MATHEMATICAL FUNCTIONS.
3. HANDS-ON CODING SESSION TO PRACTICE WRITING SQL QUERIES USING DIFFERENT FUNCTIONS.
4. REVIEWING EXAMPLES OF HOW THESE FUNCTIONS CAN BE APPLIED TO SOLVE PRACTICAL PROBLEMS IN DATABASE MANAGEMENT.

## DISCUSSION

1. EXPLORING MYSQL FUNCTIONS ON HR DATABASE
2. EXPLORING THE SYNTAX AND USAGE OF AGGREGATE FUNCTIONS SUCH AS SUM, MAX, MIN, AVG, AND COUNT.
3. DEMONSTRATING THE APPLICATION OF STRING MANIPULATION FUNCTIONS LIKE CONCAT, SUBSTRING, AND UPPER/LOWER.
4. DISCUSSING MATHEMATICAL FUNCTIONS SUCH AS ROUND, CEIL, FLOOR, AND ABS AND THEIR USE CASES.
5. COLLABORATIVELY WRITING SQL QUERIES TO APPLY THESE FUNCTIONS IN VARIOUS SCENARIOS.
6. SHARING INSIGHTS AND BEST PRACTICES FOR OPTIMIZING QUERY PERFORMANCE AND READABILITY WHEN USING FUNCTIONS.

## DECISION

1. EACH MEMBER TO PRACTICE WRITING SQL QUERIES USING DIFFERENT FUNCTIONS AND DOCUMENT THEIR FINDINGS.
2. REVIEW AND DISCUSS EXAMPLES OF SQL QUERIES UTILIZING VARIOUS FUNCTIONS DURING THE NEXT SESSION.
3. EXPERIMENT WITH DIFFERENT COMBINATIONS OF FUNCTIONS TO UNDERSTAND THEIR COMBINED EFFECTS ON QUERY RESULTS.
4. DOCUMENT ANY CHALLENGES OR DISCOVERIES ENCOUNTERED WHILE WORKING WITH SQL FUNCTIONS FOR FURTHER DISCUSSION.

## ACTION ITEMS

1. EACH MEMBER TO PRACTICE WRITING SQL QUERIES USING DIFFERENT FUNCTIONS AND DOCUMENT THEIR FINDINGS.
2. REVIEW AND DISCUSS EXAMPLES OF SQL QUERIES UTILIZING VARIOUS FUNCTIONS DURING THE NEXT SESSION.
3. EXPERIMENT WITH DIFFERENT COMBINATIONS OF FUNCTIONS TO UNDERSTAND THEIR COMBINED EFFECTS ON QUERY RESULTS.
4. DOCUMENT ANY CHALLENGES OR DISCOVERIES ENCOUNTERED WHILE WORKING WITH SQL FUNCTIONS FOR FURTHER DISCUSSION.

## ASSIGNMENTS

1. LEARN ABOUT THE NATURAL JOIN OPERATION IN SQL AND ITS IMPLICATIONS FOR JOINING TABLES BASED ON COMMON COLUMN NAMES. UNDERSTAND HOW IT DIFFERS FROM OTHER TYPES OF JOINS IN TERMS OF SYNTAX AND BEHAVIOR.
2. READ ABOUT ALL TYPES OF JOINS IN SQL, INCLUDING INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL JOIN, AND CROSS JOIN. FAMILIARIZE YOURSELF WITH THE PURPOSE, SYNTAX, AND USAGE OF EACH TYPE OF JOIN, ALONG WITH COMMON SCENARIOS WHERE THEY ARE APPLIED
3. WORK ON DISCUSSION 50 AND 9

## NEXT MEETING

SCHEDULED FOR 08/05/2024 FROM 11:30 AM TO 1:00 PM AND 2:00 PM TO 3:40 PM.