

MEETING MINUTES - DAY 8

Meeting Topic	Date	Time
Exploring SQL Data Dynamics: Understanding and Discussing Assignment Tasks, Detailed Data Analysis, and Real-World Use Cases	03/05/2024	11:30 AM to 2:00 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 DATA TYPES
2. REAL-LIFE EXAMPLES OF DATA TYPES
3. UNDERSTANDING DATETIME VS TIMESTAMP
4. DIFFERENCE BETWEEN CHAR AND VARCHAR
5. REVIEWING PREVIOUS SESSION'S MOM UPDATES
6. FINAL ASSIGNMENT OVERVIEW

DISCUSSION

1. OVERVIEW OF SQL DATA TYPES EMPHASIZED THEIR IMPORTANCE IN DATABASE MANAGEMENT.
2. REAL-LIFE EXAMPLES EXPLORED PRACTICAL APPLICATIONS OF STRING, BOOLEAN, AND DATETIME DATA TYPES.
3. DETAILED COMPARISON BETWEEN DATETIME AND TIMESTAMP HIGHLIGHTED DIFFERENCES AND BEST USE CASES.
4. REVIEW OF PREVIOUS SESSION MINUTES ENSURED TEAM-WIDE AWARENESS OF PROGRESS AND PENDING TASKS.
5. DISCUSSION ON CHAR AND VARCHAR DISTINCTIONS CLARIFIED THEIR FUNCTIONALITIES IN STORAGE.
6. FINAL ASSIGNMENT OVERVIEW INCLUDED GROUPBY, AGGREGATE, STRING, CARDINALITY, HAVING, AND MATH FUNCTIONS

DECISION

1. USE VARCHAR FOR STRING DATA TYPES DUE TO ITS VARIABLE LENGTH NATURE, PROVIDING FLEXIBILITY IN STORAGE.
2. CHAR WILL BE USED FOR FIXED-LENGTH STRINGS WHERE UNIFORMITY IN STORAGE IS ESSENTIAL, WHILE VARCHAR WILL BE EMPLOYED FOR VARIABLE-LENGTH STRINGS TO OPTIMIZE SPACE USAGE.
3. DATETIME WILL BE PREFERRED FOR RECORDING EVENTS WITH SPECIFIC DATES AND TIMES, WHILE TIMESTAMP WILL BE UTILIZED FOR CAPTURING TIME-SENSITIVE TRANSACTIONS WITH HIGHER PRECISION.
4. THE REVIEW OF MOM UPDATES WILL BE A REGULAR

ASSIGNMENTS

1. ALL TEAM MEMBERS ARE ASSIGNED TO COMPLETE THE FINAL ASSIGNMENT, WHICH INCLUDES MASTERING GROUPBY FUNCTIONS, AGGREGATE FUNCTIONS, INBUILT STRING FUNCTIONS, CARDINALITY FUNCTIONS, HAVING CLAUSE, AND MATH FUNCTIONS IN SQL.
2. EACH MEMBER WILL BE RESPONSIBLE FOR PRESENTING THEIR FINDINGS AND SOLUTIONS RELATED TO THE FINAL ASSIGNMENT IN THE NEXT SESSION.
3. TO UPDATE THE MOM ACCORDINGLY

ACTION ITEMS

1. EACH TEAM MEMBER WILL FAMILIARIZE THEMSELVES WITH THE ASSIGNED SQL DATA TYPES AND COME PREPARED WITH REAL-LIFE EXAMPLES FOR DISCUSSION.
2. THE PROJECT LEAD WILL CIRCULATE THE MOM UPDATES FROM THE PREVIOUS SESSION FOR REVIEW AND ACTION, IF ANY PENDING TASKS ARE IDENTIFIED.

NEXT MEETING

SCHEDULED FOR 06/05/2024 FROM 11:30 AM TO 1:00 PM AND 2:00 PM TO 3:40 PM.