Weekly Progress Report

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Domain: JDBC

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Week Ending: 03

I. Overview:

This week, the primary focus was on understanding JDBC (Java Database Connectivity). It is a java-based data access technology and contributing to java projects. Additionally, efforts were made to leverage learning resources for skill enhancement.

II. Achievements:

1. **Java8:**
   - Lambda Expressions
   - Method References
   - Functional Interfaces
   - Stream API
   - Default Methods
   - Collectors Class
   - Optional Class
2. **JDBC:**
   - JDBC Introduction
   - Advantages of JDBC
   - JDBC Architecture
   - JDBC API
   - Sample JDBC App

- Connection management
- Error handling
- Performance issues
- Security concerns
- Data type mismatches
- Scalability limitations

IV. Learning Resources:

1. USC_TIA Documentation:
- Utilized USC_TIA official documentation for reference and troubleshooting.
- Attended relevant webinars and online tutorials to deepen understanding.

2. JDBC App:
- JDBC (Java Database Connectivity) application involves setting up a connection between a Java application and a relational database, executing SQL queries, and processing results.

V. Additional Comments:

Learnt a lot from this week 3 module about java8 and JDBC through this opportunity.