All T20 Internationals Dataset (2005 - 2023) | SQL Database Creation

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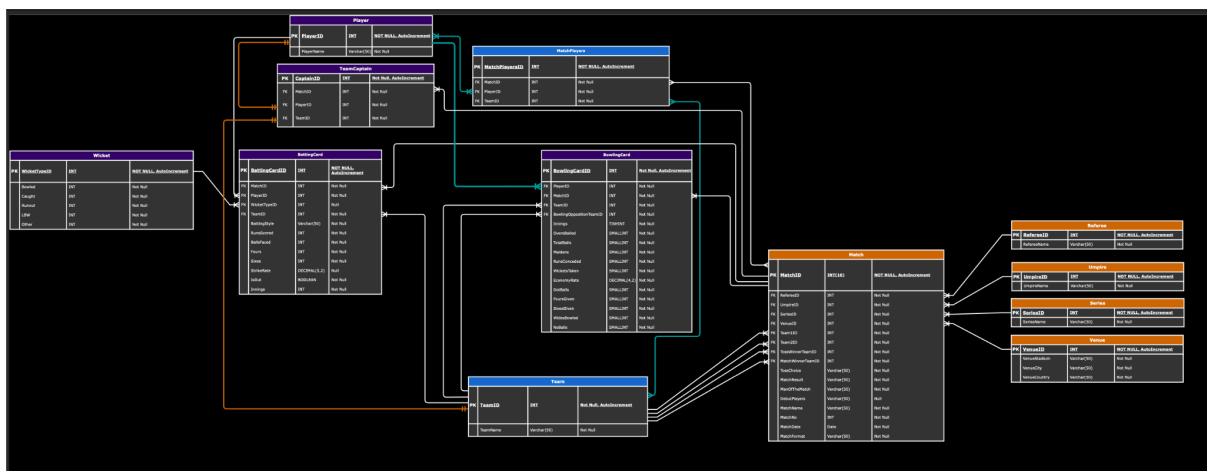
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Introduction to SQL Database Creation

This document outlines my individual process of transforming a physical Entity-Relationship Diagram (ERD) into a functional MySQL database schema. It involved careful translation of ERD components into SQL tables, ensuring entity attributes and relationships were accurately represented through primary and foreign keys.

Physical ERD from Unit 3 Submission - Link

From ERD to SQL Schema

I converted the elements of the ERD into SQL table definitions. The primary keys enforce uniqueness, and the foreign keys uphold relational integrity, reflecting the ERD's structure.

Importance of Table Creation Order

I meticulously planned the order of table creation to avoid conflicts with foreign key constraints, ensuring a seamless schema creation process.

Handling Reserved Keywords

I encountered a reserved keyword issue with the **"Match"** table. To resolve this, I modified the table name to **"`Match`"** to maintain SQL syntax compatibility.

Conclusion

This project highlighted the importance of structured planning in SQL script

development to maintain database integrity and functionality. It demonstrates the practical

application of database design principles to create an efficient schema directly from an ERD.

Respectfully,

Avinash Bunga

References

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