CS-586 Introduction to Database Management Systems

Project – ER Diagram and Relational Schema

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Topic: - IPL Dataset

The given dataset can be broadly classified in the following tables: -

1. Deliveries
2. Matches
3. Most\_runs\_average\_strikerate
4. Players
5. Teams
6. Teamwise\_home\_and\_away\_wins

These tables are majorly connected through these two attributes:-

1. Team name
2. Player\_name

These two attributes form unique combinations which can be used to access all the information in all the tables given above

This can be seen from the ER diagram given below: -

Diagram

Description automatically generated

The relational schema for the tables is given below: -

Diagram

Description automatically generated

In the relational schema, the primary keys are underlined and the Foreign keys are marked as (FK) in the tables.

The different relations can also be seen through the arrows directed from and to the connecting and connected tables.

Now, I have created all the required tables and have populated them with the requisite data.

This can be verified from the screenshots provided below: -

A picture containing text

Description automatically generated

I have also loaded all the data into these tables which can be seen below: -

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

Teams:-

Text

Description automatically generated

Matches:-

Graphical user interface

Description automatically generated with medium confidence

Most\_runs\_average\_strikerate: -

A screenshot of a computer

Description automatically generated with medium confidence

teamwise\_home\_and\_away: -

A screenshot of a computer

Description automatically generated with medium confidence

Deliveries: -

A computer screen capture

Description automatically generated with medium confidence

Players: -

A screenshot of a computer

Description automatically generated with medium confidence