Data Dynamo – Team Number 26
Data & Applications
Project Report

1. seasonInsert(): Inserts a new season record by taking user inputs for season details and executing an INSERT query

2. broadcasterInsert(): Inserts a new broadcaster record by taking inputs and executing an INSERT query

3. sponsorInsert(): Inserts a new sponsor record by taking inputs and executing an INSERT query

4. matchInsert(): Inserts a new match record by taking inputs for match details and executing an INSERT query

5. teamInsert(): Inserts a new team record by taking team details as input and executing an INSERT query

6. playerInsert(): Inserts player record by taking player details as input including calculations for age, strike rate etc. and executing INSERT query

7. staffInsert(): Inserts new staff record by capturing staff details and executing an INSERT query

8. umpireInsert(): Inserts new umpire record by taking umpire details as input and executing INSERT query

9. tossInsert(): Captures toss details as input and inserts new toss record using INSERT query

10. venueInsert(): Inserts new venue record by capturing details as input and using INSERT query

11. batsmanScoreInsert(): Inserts new batsman score record using details as input and executing INSERT query

12. bowlerStatInsert(): Inserts new bowler stats record by taking details as input and executing INSERT

13. updateMatch(): Updates match details by taking inputs and executing UPDATE query for the match table on Match_ID

14. updateTeam(): Updates team record by capturing new details as input and executing UPDATE query on Team_ID

15. updatePlayer(): Updates player details by taking inputs including calculations and executing UPDATE query on Player_ID

16. updateVenue(): Updates venue details by taking inputs and executing UPDATE query for venue table on Venue_ID

17. updateBatsmanScore(): Updates existing batsman score record using input details and executing UPDATE query on Match_ID and Player_ID combination

18. updateBowlerStat(): Updates bowler stat record using input details and executing UPDATE query on Match_ID and Player_ID

19. updateStaff(): Updates staff record details using input and UPDATE query based on Team_ID and Staff_Role

20. deleteTeams(): Deletes a team record based on input Team_ID by executing DELETE query

21. archivePlayerRecord(): Archives player record by setting Team_ID to NULL using UPDATE query

22. deleteVenue(): Deletes a venue record based on input Venue_ID using a DELETE query

23. deleteUmpire(): Deletes an umpire record based on Umpire_ID input using a DELETE query

24. deleteStaff(): Deletes a staff record based on input details using a DELETE query

25. searchChampion(): Searches champion details by Season_Year input using a SELECT query

26. searchBroadcaster(): Searches broadcaster details by name and season year inputs using SELECT

27. searchSponsor(): Searches sponsor details by name and season year using SELECT query

28. searchMatch(): Searches match details by team name and season year using SELECT query

29. searchVenue(): Searches match details by venue name input using SELECT query with joins

30. searchTeam(): Searches team details by input team name using SELECT query

31. searchPlayer(): Searches player details by name or team inputs using SELECT queries

32. searchSeason(): Searches season details by input year or champion team ID using SELECT

33. countSponsors(): Counts sponsors by season year using SELECT and COUNT aggregate

34. umpireStats(): Fetches umpire stats by season year including matches using SELECT query

35. aggregateVenueData(): Aggregates venue data including matches using SELECT and COUNT

36. matchResultofaTeam(): Counts match results by team for a season using SELECT and COUNT

37. teamStatistics(): Gets team stats like total runs by season using SELECT and aggregates

38. listCurrentTeams(): Lists current teams by season year input using SELECT query

39. listMatchesbyDate(): Lists matches ordered by date using SELECT query

40. listMatchResults(): Lists all match results using a simple SELECT query

41. venuesAvailable(): Lists venues sorted by capacity in descending order using SELECT

42. pointsTable(): Gets points table with wins for a season using SELECT, JOINS and ORDER BY