**DATABASE DESIGN**

**Tables**

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| **Tables\_in\_ipl** |
| Matches |
| Deliveries |
| Batsman |
| Bowler |
| PointsTable |
| Seasonbating |
| SeasonBowling |
| Stadium |

**Matches**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| id | int(11) | YES |  | NULL |  |
| season | int(11) | YES |  | NULL |  |
| city | text | YES |  | NULL |  |
| date | datetime | YES |  | NULL |  |
| team1 | text | YES |  | NULL |  |
| team2 | text | YES |  | NULL |  |
| toss\_winner | text | YES |  | NULL |  |
| toss\_decision | text | YES |  | NULL |  |
| result | text | YES |  | NULL |  |
| dl\_applied | int(11) | YES |  | NULL |  |
| winner | text | YES |  | NULL |  |
| win\_by\_runs | int(11) | YES |  | NULL |  |
| win\_by\_wickets | int(11) | YES |  | NULL |  |
| player\_of\_match | text | YES |  | NULL |  |
| venue | text | YES |  | NULL |  |
| umpire1 | text | YES |  | NULL |  |
| umpire2 | text | YES |  | NULL |  |
| umpire3 | text | YES |  | NULL |  |

**Deliveries**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| match\_id | int(11) | YES |  | NULL |  |
| inning | int(11) | YES |  | NULL |  |
| batting\_team | text | YES |  | NULL |  |
| bowling\_team | text | YES |  | NULL |  |
| overs | int(11) | YES |  | NULL |  |
| ball | int(11) | YES |  | NULL |  |
| batsman | text | YES |  | NULL |  |
| non\_striker | text | YES |  | NULL |  |
| bowler | text | YES |  | NULL |  |
| is\_super\_over | int(11) | YES |  | NULL |  |
| wide\_runs | int(11) | YES |  | NULL |  |
| bye\_runs | int(11) | YES |  | NULL |  |
| legbye\_runs | int(11) | YES |  | NULL |  |
| noball\_runs | int(11) | YES |  | NULL |  |
| penalty\_runs | int(11) | YES |  | NULL |  |
| batsman\_runs | int(11) | YES |  | NULL |  |
| extra\_runs | int(11) | YES |  | NULL |  |
| total\_runs | int(11) | YES |  | NULL |  |
| player\_dismissed | text | YES |  | NULL |  |
| dismissal\_kind | text | YES |  | NULL |  |
| fielder | text | YES |  | NULL |  |
| stadium\_name | varchar(200) | YES |  | NULL |  |
| season | int(11) | YES |  | NULL |  |

**Batsman**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| sr\_no | int(11) | NO | PRI | NULL | auto\_increment |
| batsman | varchar(200) | YES |  | NULL |  |
| innings | int(11) | YES |  | NULL |  |
| runs | int(11) | YES |  | NULL |  |
| balls | int(11) | YES |  | NULL |  |
| highest | int(11) | YES |  | NULL |  |
| average | int(11) | YES |  | NULL |  |
| strike\_rate | int(11) | YES |  | NULL |  |
| fours | int(11) | YES |  | NULL |  |
| sixes | int(11) | YES |  | NULL |  |
| 50s | int(11) | YES |  | NULL |  |
| 100s | int(11) | YES |  | NULL |  |
| no\_of\_dismissals | int(11) | YES |  | NULL |  |

**Bowler**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| sr\_no | int(11) | NO | PRI | NULL | auto\_increment |
| bowler | varchar(200) | YES |  | NULL |  |
| innings | int(11) | YES |  | NULL |  |
| balls | int(11) | YES |  | NULL |  |
| overs | int(11) | YES |  | NULL |  |
| runs | int(11) | YES |  | NULL |  |
| wickets | int(11) | YES |  | NULL |  |
| maiden | int(11) | YES |  | NULL |  |
| average | int(11) | YES |  | NULL |  |
| economy | int(11) | YES |  | NULL |  |
| strike\_rate | int(11) | YES |  | NULL |  |
| 4W\_haul | int(11) | YES |  | NULL |  |
| 5W\_haul | int(11) | YES |  | NULL |  |

**Pointstable**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| sr\_no | int(11) | NO | PRI | NULL | auto\_increment |
| season | int(11) | YES |  | NULL |  |
| team | text | YES |  | NULL |  |
| pld | int(11) | YES |  | NULL |  |
| won | int(11) | YES |  | NULL |  |
| lost | int(11) | YES |  | NULL |  |
| ties | int(11) | YES |  | NULL |  |
| no\_result | int(11) | YES |  | NULL |  |
| net\_rr | double | YES |  | NULL |  |
| pts | int(11) | YES |  | NULL |  |
| qulafied | text | YES |  | NULL |  |

**Seasonbating**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| sr\_no | int(11) | NO | PRI | NULL | auto\_increment |
| season | int(11) | YES |  | NULL |  |
| team | text | YES |  | NULL |  |
| pld | int(11) | YES |  | NULL |  |
| won | int(11) | YES |  | NULL |  |
| lost | int(11) | YES |  | NULL |  |
| ties | int(11) | YES |  | NULL |  |
| no\_result | int(11) | YES |  | NULL |  |
| net\_rr | double | YES |  | NULL |  |
| pts | int(11) | YES |  | NULL |  |
| qulafied | text | YES |  | NULL |  |

**Seasonbowling**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| sr\_no | int(11) | NO | PRI | NULL | auto\_increment |
| season | int(11) | YES |  | NULL |  |
| pos | int(11) | YES |  | NULL |  |
| player | text | YES |  | NULL |  |
| matches | int(11) | YES |  | NULL |  |
| innings | int(11) | YES |  | NULL |  |
| overs | double | YES |  | NULL |  |
| runs | int(11) | YES |  | NULL |  |
| wickets | int(11) | YES |  | NULL |  |
| BBI | int(11) | YES |  | NULL |  |
| average | double | YES |  | NULL |  |
| economy | double | YES |  | NULL |  |
| strike\_rate | double | YES |  | NULL |  |
| 4w | int(11) | YES |  | NULL |  |
| 5w | int(11) | YES |  | NULL |  |

**Stadium**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| sr\_no | int(11) | NO | PRI | NULL | auto\_increment |
| season | int(11) | YES |  | NULL |  |
| stadium\_name | varchar(200) | YES |  | NULL |  |
| city | varchar(50) | YES |  | NULL |  |
| matches\_played | int(11) | YES |  | NULL |  |
| matches\_won\_bating\_1st | int(11) | YES |  | NULL |  |
| matches\_won\_bating\_2nd | int(11) | YES |  | NULL |  |
| win\_percentage\_batting\_first | int(11) | YES |  | NULL |  |
| win\_percentage\_batting\_second | int(11) | YES |  | NULL |  |
| 1st\_innings\_avg\_score | int(11) | YES |  | NULL |  |
| 2nd\_innings\_avg\_score | int(11) | YES |  | NULL |  |
| significance\_of\_toss | int(11) | YES |  | NULL |  |