**NOTE:**

1. Read all the queries before adding tuples into these Relations. Make sure some of the names mentioned in the queries need to be present in the Relations
2. The Relations may not be in normalized form. The idea here is to get comfortable with SQL logic and NOT to pay attention to the design.
3. There are some advanced SQL. Pay particular attention to Q8 and Q9. How do you get it done?
4. NO NEED TO ADD ANY CONSTRAINTS (although given here). This should help you with adding tuples. However, you need to ensure that data you added to the Relations follow the constraints.

**Players (About 12 tuples at the minimum)**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** |
| player\_id | Numeric | Primary Key |
| player\_name | Text | Unique |
| birthdate | Date | Not Null |
| state | Text |  |
| type | Text | Bat, Bowl, Bat-Bowl |
| team\_id | Numeric | Reference Key to Teams |

**Teams (About 4 tuples at the minimum)**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** |
| team\_id | Numeric | Primary Key |
| team\_name | Text | Not Null |

**MatchSummary (About 4 tuples at the minimum)**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** |
| match\_id | Numeric | Primary Key |
| team1\_id | Numeric | Reference Key to Teams |
| team2\_id | Numeric | Reference Key to Teams |
| stadium | Text | Not Null |
| match\_date | Date | Not Null |

**MatchInfo (About 4 tuples at the minimum)**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** |
| match\_id | Numeric | Primary Key |
| team1Captain\_id | Numeric | Reference Key to Player |
| team1Score | Numeric |  |
| team1Wicket | Numeric |  |
| team1Over | Numeric |  |
| team2Captain\_id | Numeric | Reference Key to Player |
| team2Score | Numeric |  |
| team2Wicket | Numeric |  |
| team2Over | Numeric |  |

**PlayerMatch (About 12 tuples at the minimum)**

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraint** |
| match\_id | Numeric | Primary Key |
| oppteam\_id | Numeric | Reference Key to Teams |
| player\_id | Text | Primary Key and Reference Key to Player |
| outStatus | Text | Out, not-out, DNB |
| ballfaced | Numeric |  |
| runScored | Numeric |  |
| overBowled | Numeric |  |
| runConsumed | Numeric |  |
| wicketTaken | Numeric |  |

**Queries :**

1. List all the teams against which "Sourav Ganguly " played more than 10 matches.
2. Find number of century for "Sourav Ganguly " against "Australia".
3. How may matches won by India under the captainship of "Mohd Azharuddin" against each team.
4. Find number of century for "Sachin Tendulkar" against each team.
5. No. of Wickets taken by "Sourav Ganguly" in second innings at "Eden Garden".
6. Find Average "first inning" score in "Wankhede" stadium.
7. How many times "Pakistan" get all out against each team.
8. Give Summary in form of

|  |  |  |  |
| --- | --- | --- | --- |
| Opp. Team | No. of Batsmen | No. of Bowler | No. of All-Rounder |
|  |  |  |  |
|  |  |  |  |

1. Give summary for "Rahul Dravid" in form of

|  |  |  |  |
| --- | --- | --- | --- |
| Opp. Team | Out | Not-Out | DNB |
|  |  |  |  |
|  |  |  |  |