



Bangladesh Army University of Engineering & Technology

Department of CSE

2nd Year 1st Semester (Summer-2024) Group: A

Course Code & Title: CSE-2106 & Database Systems Laboratory

Lab Test: 02

Full Marks: 15

Time: 45 mins

Cricket Match Data (Ashes Second Test, Australia vs England at Lord's, London, 2023)

The 2023 Ashes Series, officially known as the LV= Insurance Men's Ashes Series due to sponsorship, was a high-stakes Test cricket contest between England and Australia, held in June and July of 2023. England won the toss and chose to field first, while Australia entered the match with a 1-0 series lead. This iconic rivalry featured intense competition for the coveted Ashes, with both teams aiming to outplay each other on the cricket field.

Table 1: MatchInfo

MatchID	Teams	Venue	Date	TossWinner	Day
1	Australia, England	Lord's	2023-06-28	England	3

Table 2: BatingPerformance

PlayerID	PlayerName	Team	Runs	BallFaced	Fours	Sixes
1	Steve Smith	Australia	144	200	15	2
2	Joe Root	England	118	180	14	3
3	Pat Cummins	Australia	7	16	1	0
4	Stuart Broad	England	15	40	2	0

Table 3: BowlingPerformance

PlayerID	PlayerName	Team	Wickets	OversBowled	EconomyRate
1	Pat Cummins	Australia	6	20	3.2
2	Nathan Lyon	Australia	4	18	3.1
3	Stuart Broad	England	5	22	3.5
4	James Anderson	England	3	10	3.8

Answer the Questions: [CO2, PO5, C2, C3]

1. Show all players who scored between 10 and 150 runs in the match. 3
2. Are there any players who did not score runs but took wickets? 3
3. Develop a SQL query to find the names of players who scored more than 100 runs and took at least 4 wickets in the match. 3
4. Construct a SQL query to find the total number of runs scored and wickets taken by each team in the match. 3
5. Develop a SQL query to find the player who contributed the highest percentage of their team's total runs, but only consider teams where the total runs scored are greater than 150. Display the player's name, their team, their runs, the team's total runs, and their percentage contribution. 3