CODING PROBLEM

The problem mentioned below revolves around IPL dataset. The dataset contains 2 files which are as follows

DELIVERIES.csv	MATCHES.csv
MATCH_ID	MATCH_ID
INNING	SEASON
BATTING_TEAM	CITY
BOWLING_TEAM	DATE
OVER	TEAM1
BALL	TEAM2
BATSMAN	TOSS_WINNER
BOWLER	TOSS_DECISION
WIDE_RUNS	RESULT
BYE_RUNS	WINNER
LEGBYE_RUNS	
NOBALL_RUNS	
PENALTY_RUNS	
BATSMAN_RUNS	
EXTRA_RUNS	
TOTAL_RUNS	

The dataset can be downloaded from the link :
https://www.dropbox.com/s/cvl083iw0bib7r5/iplDataSet.zip?dl=0

Solve the below questions in Only in Java.

1. Top 4 teams which elected to field first after winning toss in the year 2016 and 2017.
   Output Expected:

YEAR	TEAM	COUNT

2. List total number of fours, sixes, total score with respect to team and year.
   Output Expected:

YEAR	TEAM_NAME	FOURS_COUNT	SIXES_COUNT	TOTAL_SCORE

3. Top 10 best economy rate bowler with respect to year who bowled at least 10 overs *(LEGBYE_RUNS and BYE_RUNS should not be considered for Total Runs Given by a bowler)*

   Economy = (Total Runs Given/Overs bowled)
   Output Expected:

YEAR	PLAYER	ECONOMY

4. Find the team name which has Highest Net Run Rate with respect to year.
   Net Run Rate = (Total Runs Scored / Total Overs Faced) – (Total Runs Conceded /Total Overs Bowled)

Instructions:

1. Code will be accepted only if it is solved in Java, other languages or jdbc coding will be rejected.
2. Don't use scala, python ,sql, jdbc connection and sql queries
3. Please make your program readable and well structured. Showcase your object-oriented skills and/or functional programming skills.
4. Your solution should be scalable to larger data sets.
5. You would get **3 Days** to revert with the solution.
6. You can send us the ZIP file with the source code.
7. Don't send .doc, .text and .class files. Send Java project with proper structure.