Prolog Assignment

Statements

- 1. Dhoni is a cricket player.
- 2. Virat Kohli is a cricket player.
- 3. Rohit Sharma is a cricket player.
- 4. Ravindra Jadeja is a cricket player.
- 5. Virat Kohli is a batman.
- 6. Ravindra Jadeja is a batman.
- 7. Dhoni is a wicketkeeper.
- 8. Ravindra Jadeja is a bowler.
- 9. Dhoni is senior of Virat Kohli.
- 10. Rohit Sharma is senior of Ravindra Jadeja.

Prolog Source File

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cricketplayer(virat_kohli).

cricketplayer(rohit_sharma).

cricketplayer(ravindra_jadeja).

batman(virat_kohli).

batman(ravindra_jadeja).

wicketkeeper(dhoni).

bowler(ravindra_jadeja).

senior_of(dhoni, virat_kohli).

senior_of(rohit_sharma, ravindra_jadeja).

senior_of(rohit_sharma, ravindra_jadeja).

senior(X,Y):- senior_of(X,Y),batman(Y).

all_arounder(X):- batman(X),bowler(X).

next_batman(X,Y):- wicketkeeper(X);batman(Y),bowler(Y).

finisher(X):-wicketkeeper(X).

opener_of_indian_team(X,R):- senior(X,Y),bowler(Y),senior_of(W,R),batman(R).
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Questions

- 1. List of cricket player?
- 2. List of batman?
- 3. Who is a senior of Ravindra Jadeja?
- 4. Who is all rounder in Indian Team?
- 5. If there is wicket of opening batman than who is next batman?
- 6. Who is finisher of Indian Team?
- 7. Who is opener batman of Indian Team?

Queries

1. List of cricket player?

Ans :- cricketplayer(X).

2. List of batman?

Ans :- batman(X).

3. Who is senior of Ravindra Jadeja?

Ans:- senior(X).

4. Who is all rounder in Indian Team?

Ans:- batman(X),bowler(X).

5. If there is wicket of opening batman than who is next batman?

Ans :- wicketkeeper(X);batman(Y),bowler(Y).

6. Who is finisher of Indian Team?

Ans:- finisher(X):-wicketkeeper(X).

7. Who is opener batman of Indian Team?

Ans:- senior(X,Y),bowler(Y), $senior_of(W,R)$,batman(R).





