```
create database world_cup;

use world_cup;

SELECT COUNT(*) FROM players_info;

SELECT COUNT(*) FROM fow_card;

select count(*) from batting_card;

select count(*) from bowling_card;

select count(*) from matches;

select count(*) from odi_partnership_card;

select * from batting_card;
```

1 Retrieve the names of all the teams in the dataset.

```
select distinct Team1_Name from matches;
```


2 List all the players who have scored a century (100 runs or more) in a single match.

```
select b.runs , m.match_Date ,m.Match_ID,p.player_name

from batting_card as b inner join matches as m on m.Match_ID = b.Match_ID

inner join players_info as p on p.player_id = b.player_id

where b.runs >= 100;

select * from batting_card;
```

3 Find the highest individual score by a player in the dataset.

```
select max(b.runs) as totals , p.player_name , p.player_id from batting_card as b

inner join players_info as p on p.player_id = b.player_id group by p.player_name , p.player_id order
by totals desc;
```


4 Retrieve the total number of centuries scored by the player in the dataset.

```
select count(*) as total_centuries , p.player_name from batting_card

as b inner join players_info as p on p.player_id = b.player_id where runs >= 100 group by
p.player_name order by total_centuries desc;
```


5 Retrieve the total number of half-centuries scored by the player in the dataset.

```
select count(*) as total_centuries , p.player_name from batting_card

as b inner join players_info as p on p.player_id = b.player_id where runs >= 50 group by
p.player_name order by total_centuries desc;
```

6 List the players who have taken five or more wickets in a single match.

select b.wickets , m.match_Date ,m.Match_ID,p.player_name

from bowling_card as b inner join matches as m on m.Match_ID = b.Match_ID

inner join players_info as p on p.player_id = b.bowler_id

where b.wickets >= 5;

7 Find the team that has won the most matches.

select Team1_Name,count(Match_Winner)as winner from matches group by Team1_Name order by winner desc;

select Team2_Name,count(Match_Winner)as winner from matches group by Team2_Name order by winner desc;

8 Display the total number of matches played in the dataset.

select distinct count(Match_Id) as total_matches from matches;

9 Display the average runs scored by each team in the dataset.

select round(avg(Team1_Runs_Scored)) as avg_runs ,Team1_Name from matches group by Team1_Name order by avg_runs desc;

select round(avg(Team2_Runs_Scored)) as avg_runs ,Team2_Name from matches group by Team2_Name order by avg_runs desc;

10 Retrieve the details of the matches where a team scored more than 300 runs.

select Team1_Runs_Scored , Team1_Name , Match_ID ,match_Date from matches where Team1_Runs_Scored >= 300;

11 List the players who have scored more than 500 runs in total in year wise

select sum(b.runs) as total_runs , extract(year from m.match_Date) as year ,p.player_name

from batting_card as b inner join matches as m on m.Match_ID = b.Match_ID

inner join players_info as p on p.player_id = b.player_id

 group by year,p.player_name having total_runs >= 500 order by total_runs desc;

12 Display the number of matches played in each year.

select count(Match_Name) as count_matches ,extract(year from match_Date)

as year from matches group by year order by count_matches desc;

13 List the players who have played in more than 100 matches.

select count(m.Match_ID) as total_matches,p.player_name from batting_card as b

inner join players_info as p on b.player_id = p.player_id

inner join matches as m on m.Match_ID = b.Match_ID

group by p.player_name having total_matches >=100 order by total_matches desc;

14 List the players who have taken more than 100 wickets.

select sum(wickets) as total_wickets , p.player_name from bowling_card as b

inner join players_info as p on p.player_id = b.bowler_id group by p.player_name

having total_wickets >= 100 order by total_wickets desc;

16 List the player who have taken highest wickets in 2023.

select sum(wickets) as total_wickets , p.player_name ,extract(year from match_Date) as year from bowling_card as b

inner join players_info as p on p.player_id = b.bowler_id

inner join matches as m on m.Match_ID = b.Match_ID

group by p.player_name , year

having year = 2023 order by total_wickets desc;

17 list the player who have taken highest catches

select count(b.wicketType) as total_taken_catches , p.player_name , wicketType from batting_card as b

inner join players_info as p on p.player_id = b.player_id

inner join bowling_card as bw on b.Match_ID = bw.Match_ID and b.player_id = bw.bowler_id where b.wicketType = "caught"

group by p.player_name,b.wicketType order by total_taken_catches desc;

18 list the player who have taken wicket by the bowled

select count(b.wicketType) as total_taken_catches , p.player_name , wicketType from batting_card as b

inner join players_info as p on p.player_id = b.player_id

inner join bowling_card as bw on b.Match_ID = bw.Match_ID and b.player_id = bw.bowler_id where b.wicketType = "bowled"

group by p.player_name,b.wicketType order by total_taken_catches desc;

19 list the player who have taken wicket by the lbw

select count(b.wicketType) as total_taken_catches , p.player_name , wicketType from batting_card as b

inner join players_info as p on p.player_id = b.player_id

inner join bowling_card as bw on b.Match_ID = bw.Match_ID and b.player_id = bw.bowler_id where b.wicketType = "lbw"

group by p.player_name,b.wicketType order by total_taken_catches desc;

20 list the player who have taken wicket by the stumping

select count(b.wicketType) as total_taken_catches , p.player_name , wicketType from batting_card as b

inner join players_info as p on p.player_id = b.player_id

inner join bowling_card as bw on b.Match_ID = bw.Match_ID and b.player_id = bw.bowler_id where b.wicketType = "stumping"

group by p.player_name,b.wicketType order by total_taken_catches desc;

21 list the player who have hitted the highest fours

select p.player_name, sum(b.fours) as total_fours , count(Match_ID) as total_innings from batting_card as b

inner join players_info as p on p.player_id = b.player_id

group by p.player_name order by total_fours desc;

22 list the player who have hitted the highest sixes

select p.player_name, sum(b.sixes) as total_sixes , count(Match_ID) as total_innings from batting_card as b

inner join players_info as p on p.player_id = b.player_id

group by p.player_name order by total_sixes desc;

23 list the which player is out for the first ball

select count(b.wicketType) as first_ball , p.player_name ,count(ops.innings) as innings , wicketType from batting_card as b

inner join players_info as p on p.player_id = b.player_id

inner join odi_partnership_card as ops on b.Match_ID = ops.Match_ID

inner join bowling_card as bw on b.Match_ID = bw.Match_ID and b.player_id = bw.bowler_id

where player1ID_balls = '1' and player2ID_balls = '1' and b.wicketType is not null group by

b.wicketType,p.player_name order by first_ball desc;

 # 24 list the bowler name highest madien

select sum(maidens) as highest_madiens, p.player_name from bowling_card as b

inner join players_info as p on p.player_id = b.bowler_id

group by p.player_name order by highest_madiens desc;