



IPL[®]



The Indian Premier League (IPL), which features elite cricket players and draws sizable crowds, has become one of the world's most watched cricket competitions. In order to gain insight into player performance, team dynamics, and match outcomes, this project will use MySQL for analyzing data from the last three(2021-2022-2023) IPL seasons.

What is the total number of runs scored by each top 10 player in the IPL

```
SELECT  batting_summary.batsmanName,  
        SUM(batting_summary.runs) AS  
        total_runsFROM  batting_summaryGROUP  
BY batting_summary.batsmanNameORDER BY  
    total_runs DESC  
    LIMIT 10;
```

	batsmanName	total_runs
▶	ShubmanGill	1851
◀	FafduPlessis	1831
	RuturajGaikwad	1593
	KLRahul	1516
	JosButtler	1509
	ShikharDhawan	1392
	ViratKohli	1385
	SanjuSamson	1304
	SuryakumarYadav	1225
	GlennMaxwell	1214

Total run scored by batsman team in each seasons

```
SELECT match_summery.year, players.team,
       batting_summary.batsmanName,
       SUM(batting_summary.runs) AS total_runs
FROM match_summery JOIN batting_summary ON
       match_summery.match_id =
       batting_summary.match_id JOIN players ON
       batting_summary.batsmanName =
       players.name
WHERE year IN (2021, 2022, 2023)
GROUP BY match_summery.year, players.team,
         batting_summary.batsmanName
ORDER BY match_summery.year ASC,
         SUM(batting_summary.runs) DESC
LIMIT 50;
```

	year	team	batsmanName	total_runs
▶	2021	CSK	RuturajGaikwad	635
	2021	CSK	FafduPlessis	633
	2021	PK	KLRahul	626
	2021	DC	ShikharDhawan	559
	2021	RCB	GlennMaxwell	513
	2021	RR	SanjuSamson	484
	2021	KKR	ShubmanGill	478
	2021	PK	MayankAgarwal	441
	2021	DC	PrithviShaw	426
	2021	RCB	DevduttPadikkal	411

Average run scored by each players in 2021 2022 2023

```
SELECT match_summery.year, players.name, ROUND(AVG(batting_summary.runs), 2) AS avg_runs
FROM players JOIN batting_summary ON batting_summary.batsmanName = players.name
JOIN match_summery ON batting_summary.match_id = match_summery.match_id
WHERE year IN (2021 , 2022, 2023)
GROUP BY match_summery.year , players.name
HAVING AVG(batting_summary.runs) > 40
ORDER BY match_summery.year ASC , AVG(batting_summary.runs) DESC;
```

	year	name	avg_runs
▶	2021	ChrisLynn	49.00
	2021	KLRahul	48.15
	2022	JosButtler	50.76
	2022	RajatPatidar	47.57
	2022	KLRahul	44.00
	2023	VivrantSharma	69.00
	2023	ShubmanGill	52.35
	2023	FafduPlessis	52.14
	2023	ViratKohli	45.64
	2023	SaiSudharsan	45.25
	2023	DevonConway	44.80
	2023	YashasviJaiswal	44.64
	2023	HeinrichKlaasen	40.73

Players name with total sixes and total fours in year 2021,2022,2023

```
SELECT  players.name,  match_summery.year,  SUM(6s) AS
total_sixs,  SUM(4s) AS total_foursFROM  batting_summary
JOIN  players ON batting_summary.batsmanName = players.name
JOIN  match_summery ON batting_summary.match_id =
match_summery.match_idWHERE  year IN (2021 , 2022,
2023)GROUP BY players.name , match_summery.yearHAVING
SUM(6s) > 20 AND SUM(4s) > 20ORDER BY match_summery.year ASC
, SUM(6s) DESC , SUM(4s) DESC;
```

	name	year	total_sixs	total_fours
▶	KLRahul	2021	30	48
	RuturajGaikwad	2021	23	64
	FafduPlessis	2021	23	60
	GlennMaxwell	2021	21	48
	JosButtler	2022	45	83
	LiamLivingstone	2022	34	29
	KLRahul	2022	30	45
	SanjuSamson	2022	26	43
	QuintondeKock	2022	23	47
	DavidMiller	2022	23	32
	NitishRana	2022	22	29
	DineshKarthik	2022	22	27
	ShimronHetmyer	2022	21	21
	FafduPlessis	2023	36	60
	ShubmanGill	2023	33	85
	GlennMaxwell	2023	31	29
	RuturajGaikwad	2023	30	46
	RinkuSingh	2023	29	31
	SuryakumarYa...	2023	28	65
	MarcusStoinis	2023	27	27
	YashasviJaiswal	2023	26	82
	NicholasPooran	2023	26	26
	HeinrichKlaasen	2023	25	32


Average run score by M S Dhoni in three season's

```
SELECT  match_summery.year,  
        batting_summary.batsmanName,  
        AVG(batting_summary.runs) AS  
avg_runsFROM  batting_summary  JOIN  
              match_summery ON  
              batting_summary.match_id =  
              match_summery.match_idWHERE  
batsmanName = 'Msdhoni'    AND year IN  
              (2021 , 2022, 2023)GROUP BY  
              match_summery.year ,  
              batting_summary.batsmanNameORDER BY  
              match_summery.year ASC ,  
              AVG(batting_summary.runs) DESC;
```

	year	batsmanName	avg_runs
▶	2021	MSDhoni	10.3636
	2022	MSDhoni	19.3333
	2023	MSDhoni	8.6667

What is the total number of wickets taken by each player

```
SELECT
bowling_summary.bowlerName,
SUM(bowling_summary.wickets) AS
total_wicketsFROM
bowling_summaryGROUP BY
bowling_summary.bowlerNameORDER BY
total_wickets DESC;
```




	bowlerName	total_wickets
►	MohammedShami	67
	YuzvendraChahal	66
	HarshalPatel	65
	RashidKhan	62
	AveshKhan	47
	KagisoRabada	45
	ArshdeepSingh	45
	VarunChakravarthy	44
	ShardulThakur	43
	TrentBoult	42
	RaviBishnoi	41
	MohammedSiraj	39
	RavindraJadeja	37
	SunilNarine	36
	JaspitBumrah	36
	RahulChahar	35
	AndreRussell	35
	WaninduHasaranga	35
	JoshHazlewood	34
	JasonHolder	34
	BhuvneshwarKumar	34
	RavichandranAshwin	33
	AnrichNortje	31

bowler name with taken total wickets Who are the top 5 wicket-takers in the 2021 season

```
SELECT  bowling_summary.bowlerName,
match_summery.year, SUM(bowling_summary.wickets)
AS total_wicketsFROM  bowling_summary  JOIN
match_summery ON bowling_summary.match_id =
match_summery.match_idWHERE  year IN (2021 , 2022,
2023)GROUP BY bowling_summary.bowlerName ,
match_summery.yearORDER BY match_summery.year ASC ,
SUM(bowling_summary.wickets) DESC LIMIT 10;
```

	bowlerName	year	total_wickets
►	HarshalPatel	2021	32
	JaspritBumrah	2021	21
	ShardulThakur	2021	21
	AveshKhan	2021	21
	MohammedShami	2021	19
	ArshdeepSingh	2021	18
	VarunChakravarthi	2021	18
	YuzvendraChahal	2021	18
	SunilNarine	2021	16
	JasonHolder	2021	16

Average strike rate of all teams




```
SELECT  players.team,  match_summery.year,
ROUND(AVG(batting_summary.SR), 2) AS avg_striker_rateFROM
  players    JOIN  batting_summary ON players.name =
batting_summary.batsmanName    JOIN  match_summery ON
batting_summary.match_id = match_summery.match_idWHERE
  year IN (2021 , 2022, 2023)GROUP BY players.team ,
match_summery.yearORDER BY match_summery.year ASC ,
AVG(batting_summary.SR) DESC;
```

	team	year	avg_striker_rate
▶	CSK	2021	126.1
	DC	2021	122.03
	KKR	2021	108.93
	MI	2021	104.3
	PK	2021	103.92
	SRH	2021	102.96
	RCB	2021	102.29
	RR	2021	99.47
	RR	2022	128.85
	DC	2022	124.77
	RCB	2022	116.05
	KKR	2022	115.58
	PK	2022	115.32
	LSG	2022	114.43
	MI	2022	108.97
	SRH	2022	103.8
	GT	2022	101.06
	CSK	2022	100.89
	CSK	2023	128.85
	LSG	2023	123.64
	RR	2023	123.63
	MI	2023	122.88
	SRH	2023	120.08
	RCB	2023	118.32

How many matches won by each team

```
SELECT match_summery.winner, COUNT(*) AS  
total_winFROM match_summeryGROUP BY  
match_summery.winner;
```



	winner	total_win
►	CSK	25
	KKR	21
	RCB	25
	MI	20
	PK	19
	SRH	13
	DC	21
	RR	22
	GT	23
	LSG	17

how many matches win by each team
and run or wicket in three seasons

```
SELECT match_summery.year,
match_summery.won_by,
match_summery.winner,
COUNT(match_summery.winner)FROM
match_summeryWHERE year IN (2021 ,
2022, 2023)GROUP BY
match_summery.year ,
match_summery.won_by ,
match_summery.winnerORDER BY
match_summery.year ASC ,
COUNT(match_summery.winner) DESC;
```

	year	won_by	winner	COUNT(match_summery.winner)
►	2021	wicket	DC	8
	2021	wicket	KKR	7
	2021	wicket	CSK	6
	2021	run	CSK	5
	2021	run	RCB	5
	2021	wicket	RCB	4
	2021	wicket	MI	4
	2021	run	MI	3
	2021	wicket	PK	3
	2021	wicket	RR	3
	2021	run	PK	3
	2021	run	KKR	2
	2021	wicket	SRH	2
	2021	run	RR	2
	2021	run	SRH	1
	2021	run	DC	1



	year	won_by	winner	COUNT(match_summery.winner)
	2021	run	DC	1
	2022	wicket	GT	8
	2022	run	wicket	7
	2022	run	RR	7
	2022	wicket	SRH	5
	2022	run	RCB	5
	2022	wicket	KKR	4
	2022	run	PK	4
	2022	wicket	DC	4
	2022	wicket	RCB	4
	2022	run	GT	4
	2022	wicket	RR	3
	2022	wicket	PK	3
	2022	wicket	MI	3
	2022	run	DC	3
	2022	run	CSK	3

	year	won_by	winner	COUNT(match_summery.winner)
	2022	run	CSK	3
	2022	run	KKR	2
	2022	wicket	LSG	2
	2022	run	SRH	1
	2022	run	MI	MI
	2022	wicket	CSK	1
	2023	run	CSK	6
	2023	wicket	GT	6
	2023	wicket	MI	6
	2023	run	GT	5
	2023	run	LSG	5
	2023	run	RCB	5
	2023	wicket	CSK	4
	2023	run	PK	4
	2023	run	RR	4
	2023	run	MI	3
	2023	wicket	RR	MI
	2023	run	DC	3
	2023	wicket	KKR	3
	2023	wicket	LSG	3
	2023	run	KKR	3
	2023	wicket	RCB	2
	2023	wicket	SRH	2
	2023	wicket	DC	2
	2023	wicket	PK	2
	2023	run	SRH	2

An aerial, high-angle view of a large baseball stadium at night. The stadium is filled with spectators, and the field is brightly lit. The infield is visible, with the pitcher's mound and bases. The outfield is also visible, with some advertisements on the fence. The sky is dark, and the stadium lights create a bright glow. The text 'THANK YOU' is overlaid in large, white, bold letters across the center of the image.

THANK YOU