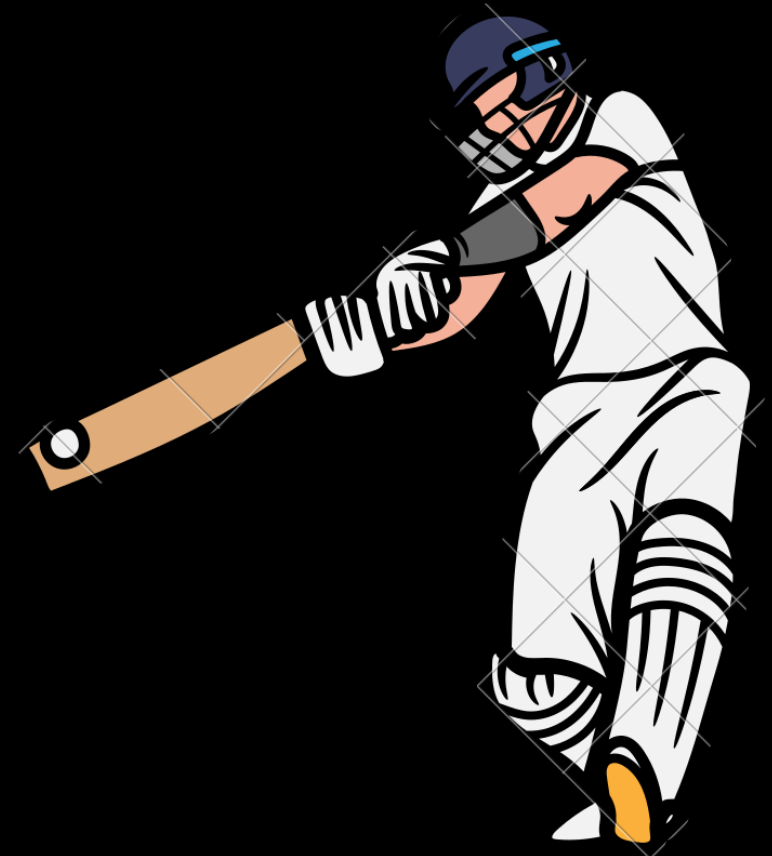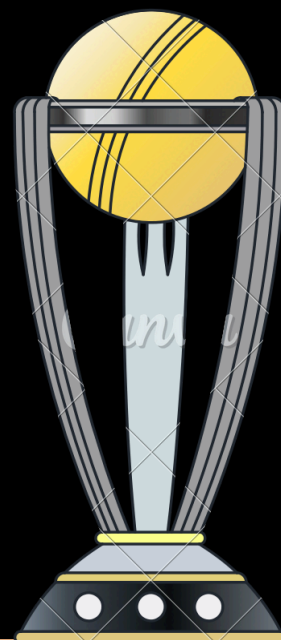# IPL ANALYSIS

OBJECTIVE

The objective of this project is to conduct a comprehensive analysis of IPL player data, utilizing the "IPL" database .

DATASET

- **IPL PLAYERS -** This file contains, player name, their nationality, their playing type, their sold price and which team bought them

- **UNSOLD PLAYERS -** The players which remain unsold in auction.

- **TOP BUYS -** Top Players bought by the Team

Q.1 Retrieve players who belong to a indian nationality .

```
SELECT NATIONALITY ,PLAYERS
FROM IPL_PLAYERS
WHERE NATIONALITY ="INDIAN";
```

OUTPUT

nationality	players
Indian	Avanish Rao Arav...
Indian	Sameer Rizvi
Indian	Shardul Thakur
Indian	Ricky Bhui
Indian	Sumit Kumar

Q.2 Calculate the average price paid for all players

```
Select AVG(PRICE_PAID) AS avg_price
From ipl_players ;
```

OUTPUT

avg_price

32006944.4444

Q.3 Retrieve player names and price paid, sorted in descending order of price paid

```
Select players ,price_paid
From ipl_players
order by price_paid desc;
```
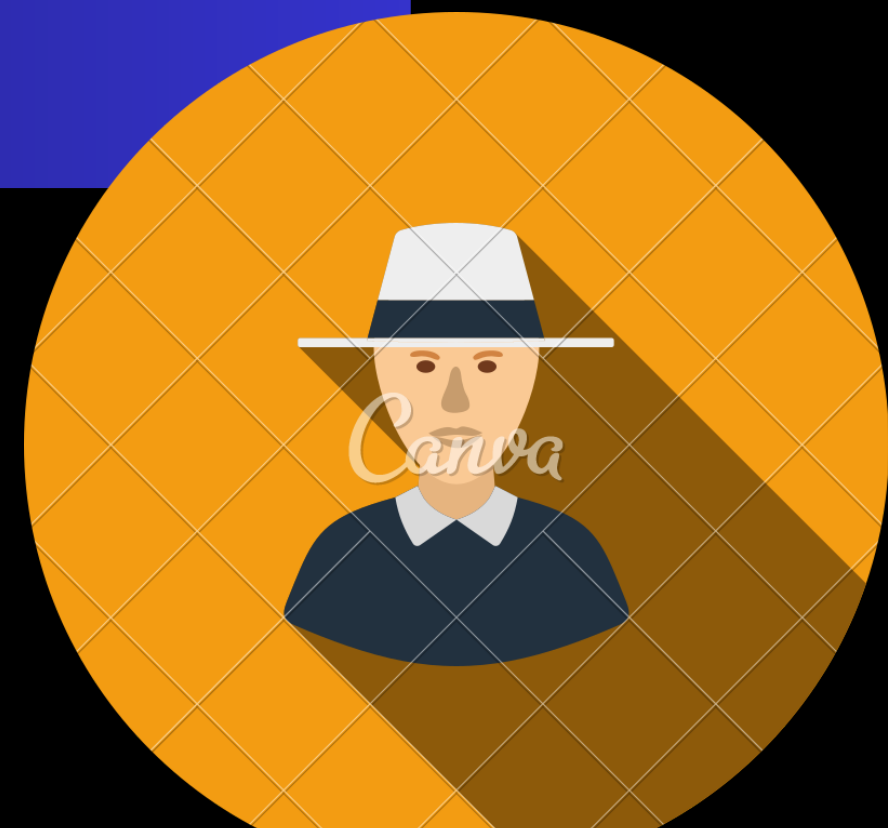
OUTPUT

players	price_paid
Mitchell Starc	247500000
Pat Cummins	205000000
Daryl Mitchell	140000000
Harshal Patel	117500000
Alzarri Joseph	115000000

Q.4 Calculate the total price paid by each team

```sql
Select Team ,sum(price_paid) as exp
from ipl_players
group by team;
```

OUTPUT

Team	exp
CSK	304000000
DC	190500000
GT	303000000
KKR	313500000
LSG	122000000

Q.5 Retrieve the top 5 players with the highest price paid.

```sql
Select Players,Price_paid
From ipl_players
Order by Price_paid desc
Limit 5;
```

OUTPUT

Players	Price_paid
Mitchell Starc	247500000
Pat Cummins	205000000
Daryl Mitchell	140000000
Harshal Patel	117500000
Alzarri Joseph	115000000

Q.6 Retrieve Top 3 Most Expensive Bowlers

```
Select*from top_buys
where type="bowler"
order by price_paid desc
limit 3;
```
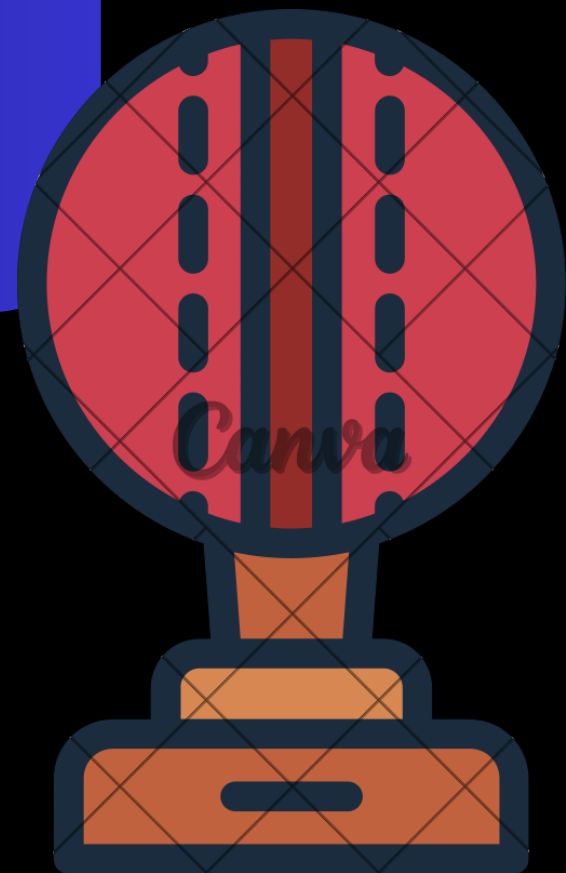
OUTPUT

TEAM	NATIONALITY	TYPE	PRICE_PAID
Kolkata Knight Ri...	Mitchell Starc	Bowler	24,75,00,000
Royal Challengers...	Alzarri Joseph	Bowler	11,50,00,000
Gujarat Titans	Spencer Johnson	Bowler	10,00,00,000

Q.7 Identify All Batters with a Price Paid 10 Crores

Select * from top_buys
where type= "batter" AND price_paid
< 100000000;

OUTPUT

TEAM	NATIONALITY	TYPE	PRICE_PAID
Chennai Super Ki...	Sameer Rizvi	Batter	8,40,00,000
Punjab Kings	Rilee Rossouw	Batter	8,00,00,000
Rajasthan Royals	Rovman Powell	Batter	7,40,00,000