In [1]:

```
## Importing Library
```

In [2]:

```
from bs4 import BeautifulSoup
import requests
import pandas as pd
```

In [3]:

```
URL='https://www.iplt20.com/auction/2022' #URL from IPL Auction 2022
```

In [4]:

```
# store the headers as a dict
headers = ({'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/114.0.0.0 Safari/537.36','Accept-Language': 'en-US,en;q=0.
9'})
```

In [5]:

```
webpage=requests.get(URL,headers=headers)
webpage # Checking the status of URL
```

Out[5]:

```
<Response [200]>
```

In [6]:

```
type(webpage.content) #content types
```

Out[6]:

```
bytes
```

In [7]:

```
#Soup containing all data
soup=BeautifulSoup(webpage.content,'html.parser')
```

In [8]:

```
table=soup.find('table',class_='ih-td-tab auction-tbl') #finding all the table anchor
```

In [9]:

```
title=table.find_all('th') #finding all th inside table
title
```

Out[9]:

```
[<th class="skip-filter" style="width:25%;text-align: left;">TEAM</th>,
 <th class="skip-filter" style="width:25%;">FUNDS REMAINING</th>,
 <th class="skip-filter" style="width:25%;">OVERSEAS PLAYERS </th>,
 <th class="skip-filter" style="width:25%;">TOTAL PLAYERS</th>]
```

In [10]:

```python
header=[] #filtering all table columns
for i in title:
    name=i.text
    header.append(name)
header
```

Out[10]:

```
['TEAM', 'FUNDS REMAINING', 'OVERSEAS PLAYERS ', 'TOTAL PLAYERS']
```

In [11]:

```python
df=pd.DataFrame(columns=header) #adding columns to DataFrame
df
```

Out[11]:

TEAM	FUNDS REMAINING	OVERSEAS PLAYERS	TOTAL PLAYERS

In [12]:

```python
rows=table.find_all('tr') #finding all tr .i.e table rows
```

In [13]:

```python
for i in rows[1:]:
    data=i.find_all('td')
    row=[tr.text for tr in data]
    l=len(df)
    df.loc[l]=row
df #adding all the rows to the dataframe
```

Out[13]:

	TEAM	FUNDS REMAINING	OVERSEAS PLAYERS	TOTAL PLAYERS
0	\n\n\n\n\nChennai Super Kings\n\n	₹2,95,00,000	8	25
1	\n\n\n\n\nDelhi Capitals\n\n	₹10,00,000	7	24
2	\n\n\n\n\nGujarat Titans\n\n	₹15,00,000	8	23
3	\n\n\n\n\nKolkata Knight Riders\n\n	₹45,00,000	8	25
4	\n\n\n\n\nLucknow Super Giants\n\n	₹0	7	21
5	\n\n\n\n\nMumbai Indians\n\n	₹10,00,000	8	25
6	\n\n\n\n\nPunjab Kings\n\n	₹3,45,00,000	7	25
7	\n\n\n\n\nRajasthan Royals\n\n	₹95,00,000	8	24
8	\n\n\n\n\nRoyal Challengers Bangalore\n\n	₹1,55,00,000	8	22
9	\n\n\n\n\nSunrisers Hyderabad\n\n	₹10,00,000	8	23

In [14]:

```python
df['TEAM']=df['TEAM'].str.replace('\n','') #Replacing the \n from Team
```

In [15]:

```
df
```

Out[15]:

	TEAM	FUNDS REMAINING	OVERSEAS PLAYERS	TOTAL PLAYERS
0	Chennai Super Kings	₹2,95,00,000	8	25
1	Delhi Capitals	₹10,00,000	7	24
2	Gujarat Titans	₹15,00,000	8	23
3	Kolkata Knight Riders	₹45,00,000	8	25
4	Lucknow Super Giants	₹0	7	21
5	Mumbai Indians	₹10,00,000	8	25
6	Punjab Kings	₹3,45,00,000	7	25
7	Rajasthan Royals	₹95,00,000	8	24
8	Royal Challengers Bangalore	₹1,55,00,000	8	22
9	Sunrisers Hyderabad	₹10,00,000	8	23

In [ ]: