Importing the Libraries

In [11]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
print("Importing Sucessfully ")
```

```
Importing Sucessfully
```

Loadining the Data

In [2]:
```
data =pd.read_csv("Downloads\ipl_score.csv")
data
```

Out[2]:

	Over	Scores
0	1	15
1	2	10
2	3	14
3	4	18
4	5	2
5	6	13
6	7	7
7	8	8
8	9	11
9	10	19
10	11	5
11	12	4
12	13	11
13	14	9
14	15	7
15	16	2
16	17	20
17	18	16
18	19	4
19	20	18

In [13]:
```
data.shape
```

Out[13]:
```
(20, 2)
```

In [14]:
```
data.head(5)
```

Out[14]:

	Over	Scores

	Over	Scores
0	1	15
1	2	10
2	3	14
3	4	18
4	5	2

Importing Sklearn for LinearRegression

In [16]:
```
from sklearn.linear_model import LinearRegression
```

In [15]:
```
import plotly.express as px
fig=px.scatter(data,x="Over",y='Scores')
fig.show()
```

In [17]:
```
formula=LinearRegression()
x=data.Over.values.reshape(-1,1)
y=data.Scores.values.reshape(-1,1)
x
```

Out[17]:
```
array([[ 1],
       [ 2],
       [ 3],
```

```
[ 4],
[ 5],
[ 6],
[ 7],
[ 8],
[ 9],
[10],
[11],
[12],
[13],
[14],
[15],
[16],
[17],
[18],
[19],
[20]], dtype=int64)
```

In [18]:

```
formula.fit(x,y)
```

Out[18]:

```
LinearRegression()
```

In [19]:

```
twentyover=formula.predict([[11]])
print(int(twentyover))
```

```
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```

Thank You