SOURCE CODE

1.import pandas as pd

2. from sklearn.cluster import KMeans

3. import matplotlb as mt

4. import numpy as np

5. df=pd.read_csv("internship3.csv")

6. df

7. from sklearn.preprocessing import LabelEncoder

8. enc=LabelEncoder()

9. enc.fit(df.player)

10.df.player=enc.transform(df.player)

11.enc.fit(df.format)

12.df.format=enc.transform(df.format)

13.enc.fit(df.Versus)

14.df.Versus=enc.transform(df.Versus)

15.df

16.x=df.iloc[:,[0,1,2,11]].values

17.y=df.iloc[:,13].values

18.from sklearn.model_selection import train_test_split

```python
19.x_train,x_test,y_train,y_test=train_test_split(x,y,rando
20.m_state=0)
21.x_train.shape
22.x_test.shape
23.from sklearn.ensemble import
24.RandomForestClassifier
25.model=RandomForestClassifier()
26.model.fit(x_train,y_train)
27.y_pred=model.predict(x_test)
28.y_pred
29.model.score(x_test,y_test)*100
30.model.predict([[0,2,0,34]])
```