**from sklearn.linear\_model import LinearRegression**

**from sklearn.metrics import mean\_absolute\_error,mean\_squared\_error,r2\_score**

**import pandas as pd**



**data=pd.read\_csv("D:\word\marks.csv")**

**print(data)**

**o/p:-**



**rollno Attendance Marks no\_of\_backlocks no\_of\_certifications**

**0 1 92 92 0 1**

**1 2 93 93 0 1**

**2 3 94 94 0 1**

**3 4 92 92 0 1**

**4 5 93 93 0 1**

**5 6 94 94 0 1**

**6 7 100 100 0 1**

**7 8 96 96 0 1**

**8 9 92 92 0 1**

**9 10 93 93 0 1**

**10 11 94 94 0 1**

**11 12 92 92 0 1**

**12 13 93 93 0 1**

**13 14 94 94 0 1**

**14 15 92 92 0 1**

**15 16 93 93 0 1**

**16 17 94 94 0 1**

**17 18 95 95 0 1**

**18 19 92 92 0 1**

**19 20 90 90 0 1**

**X=data[['Attendance']]**

**print(X)**

**print(X.shape)**

**o/p:-**



**Attendance**

**0 92**

**1 93**

**2 94**

**3 92**

**4 93**

**5 94**

**6 100**

**7 96**

**8 92**

**9 93**

**10 94**

**11 92**

**12 93**

**13 94**

**14 92**

**15 93**

**16 94**

**17 95**

**18 92**

**19 90**

**(20, 1)**

**y=data[['Marks']]**

**print(y)**

**print(y.shape)**

**o/p:-**



**Marks**

**0 92**

**1 93**

**2 94**

**3 92**

**4 93**

**5 94**

**6 100**

**7 96**

**8 92**

**9 93**

**10 94**

**11 92**

**12 93**

**13 94**

**14 92**

**15 93**

**16 94**

**17 95**

**18 92**

**19 90**

**(20, 1)**

**from sklearn.model\_selection import train\_test\_split**

**X\_train,X\_test,y\_train,y\_test=train\_test\_split(X,y,test\_size=0.2)**

**model=LinearRegression()**

**model.fit(X\_train,y\_train)**

**y\_predicted\_result=model.predict(X\_test)**

**print(y\_predicted\_result)**

**R2=r2\_score(y\_test,y\_predicted\_result)**

**print(R2)**

**o/p:-**



**R2=r2\_score(y\_test,y\_predicted\_result)**

**print(R2)**

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