import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

%matplotlib inline

df = pd.read\_csv("Academic-Performance-Dataset.csv")

df

df.shape

df

df.dtypes

df.isna().sum()

df.isnull()

cols\_with\_na = []

for col in df.columns:

if df[col].isna().any():

cols\_with\_na.append(col)

cols\_with\_na

Df

df.fillna("0")

df['Total Marks']=df['Phy\_marks']+df['Che\_marks']+df['EM1\_marks']+df['PPS\_marks']+df['SME\_marks']

df['Percentage']=df['Total Marks']/5

df.fillna(0)

import matplotlib.pyplot as plt

col = ['Attendence', 'Phy\_marks' , 'Che\_marks','Percentage']

df.boxplot(col)

from sklearn.preprocessing import LabelEncoder

le = LabelEncoder()

df['Gender'] = le.fit\_transform(df['Gender'])

Df