import pandas as pd

import matplotlib.pyplot as plt

from sklearn.cluster import KMeans

df=pd.read\_csv('C:/Users/Aastha Kanaujia/Downloads/AIML\_Datasets/ch1ex1.csv')

points=df.values

model=KMeans(n\_clusters=3)

labels=model.fit\_predict(points)

print(labels)

plt.scatter(points[:,0],points[:,1],c=labels) #points[:,0]

centroids=model.cluster\_centers\_ #cluster\_centers\_

plt.scatter(centroids[:,0],centroids[:,1],c='red')