import pandas as pd

from sklearn.cluster import KMeans

import matplotlib.pyplot as plt

# Create a dummy dataset

data = pd.DataFrame({

'Age': [22, 24, 30, 28, 35, 40, 50, 60],

'Income (in $1000)': [20, 22, 25, 18, 35, 40, 60, 55]

})

# Perform K-Means clustering on the data with k=2 (you can choose the number of clusters)

kmeans = KMeans(n\_clusters=2, random\_state=42)

data['Cluster'] = kmeans.fit\_predict(data)

# Visualize the clusters using a scatter plot

plt.figure(figsize=(8, 6))

plt.scatter(data['Age'], data['Income (in $1000)'], c=data['Cluster'], cmap='rainbow')

plt.xlabel('Age')

plt.ylabel('Income (in $1000)')

plt.title('K-Means Clustering')

plt.show()