import pandas as pd

#Defining the function to replace the commas

def str\_replace(string):

return string.replace(",", "")

if \_\_name\_\_ == "\_\_main\_\_":

#Creating the dictionary to convert into a data frame

state\_data = {'State':['Alabama','Alaska','Arizona','Arkansas'],

'PostCode':['AL','AK','AZ','AR'],'Area':['52,423','656,424','\*','53,182'],

'Pop':['4,040,587','550,043','3,665,228','2,350,750']}

#creating the data frame with pandas using the dictionary as the data source

#and providing the columns names to match

df = pd.DataFrame(state\_data, ["State", "PostCode", "Area", "Pop"])

#Setting the states as the indexes

df = df.set\_index("State")

#Replacing the \* with 0

df["Area"] = df["Area"].replace('\*','0')

#applying the str replace to all the items in column Pop and converting it

#To an integer

df["Pop"] = pd.to\_numeric(df["Pop"].map(str\_replace))

##Replacing all the commas in the Area column and converting into integer

df["Area"] = pd.to\_numeric(df["Area"].map(str\_replace))

#Printing the data frame

print(df)

