16.Write a Pandas program to split the following dataframe into groups based

on school code. Also check the type of GroupBy object.

Program:

import pandas as pd

pd.set\_option('display.max\_rows', None)

#pd.set\_option('display.max\_columns', None)

student\_data = pd.DataFrame({

'school\_code': ['s001','s002','s003','s001','s002','s004'],

'class': ['V', 'V', 'VI', 'VI', 'V', 'VI'],

'name': ['Alberto Franco','Gino Mcneill','Ryan Parkes', 'Eesha Hinton', 'Gino Mcneill', 'DavidParkes'],

'date\_Of\_Birth ':

['15/05/2002','17/05/2002','16/02/1999','25/09/1998','11/05/2002','15/09/1997'],

'age': [12, 12, 13, 13, 14, 12],

'height': [173, 192, 186, 167, 151, 159],

'weight': [35, 32, 33, 30, 31, 32],

'address': ['street1', 'street2', 'street3', 'street1', 'street2', 'street4']},

index=['S1', 'S2', 'S3', 'S4', 'S5', 'S6'])

print("Original DataFrame:")

print(student\_data)

print('\nSplit the said data on school\_code wise:')

result = student\_data.groupby(['school\_code'])

for name,group in result:

print("\nGroup:")

print(name)

print(group)

print("\nType of the object:")

print(type(result))

Output:

