

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

data = {
    'school': ['S1', 'S2', 'S3', 'S4', 'S5', 'S6'],
    'class': ['s001', 's002', 's003', 's001', 's002', 's004'],
    'name': ['Alberto Franco', 'Gino Mcneill', 'Ryan Parkes', 'Eesha Hinton', 'Gino
Mcneill', 'David Parkes'],
    'age': [12, 35, 13, 14, 13, 11],
    'height': [173, 186, 192, 167, 151, 159],
    'weight': [35, 32, 30, 25, 33, 30],
    'address': ['street1', 'street2', 'street3', 'street1', 'street2', 'street4'],
    'date of Birth': ['15/05/2002', '17/05/2002', '16/02/1999', '25/09/1998',
'11/05/2002', '15/09/1997']
}

df = pd.DataFrame(data)

# Group by school code
grouped_df = df.groupby('school')

# Display the type of GroupBy object
print("Type of GroupBy object:", type(grouped_df))

# Display the groups
for name, group in grouped_df:
    print(f"\nSchool Code: {name}")
    print(group)
```

OUTPUT:

```

----- RESIARI: C:/Users/PADMASKI/Documents/Codings/program 16.py -----
Type of GroupBy object: <class 'pandas.core.groupby.generic.DataFrameGroupBy'>

School Code: S1
  school class      name  age  height  weight  address date of Birth
0      S1  s001  Alberto Franco   12    173     35  street1   15/05/2002

School Code: S2
  school class      name  age  height  weight  address date of Birth
1      S2  s002   Gino Mcneill   35    186     32  street2   17/05/2002

School Code: S3
  school class      name  age  height  weight  address date of Birth
2      S3  s003   Ryan Parkes   13    192     30  street3   16/02/1999

School Code: S4
  school class      name  age  height  weight  address date of Birth
3      S4  s001   Eesha Hinton   14    167     25  street1   25/09/1998

School Code: S5
  school class      name  age  height  weight  address date of Birth
4      S5  s002   Gino Mcneill   13    151     33  street2   11/05/2002

School Code: S6
  school class      name  age  height  weight  address date of Birth
5      S6  s004   David Parkes   11    159     30  street4   15/09/1997

```