18.

EXPERIMENT-8

Aim: To execute pandas program to group dataframe based on school code and class.

Pseudocode:

1) Import the pandas library
2) Create the Dataframe using the provided data
3) group the DataFrame by both the 'school' and 'class' columns.
4) Print the grouped DataFrame object.

Sample input:

Dataframe ('school', 'class', 'name', 'dob', 'age', 'height', 'weight', 'address')

Sample output:

group : ('s001', 'V')

school	class	name	dob	age	height	weight	ad
s001	V	Alberto	15/5/2002	12	173	35	31

group : ('s002', 'V1')

school	class	name	dob	age	height	weight	a
s001	V1	Eesha	25/09/2002	13	167	30	3

group : ('s003', 'V1')

School	class	name	dob	age	height	weight	ad
s002	V	Gino	19/5/2004	12	192	32	88
s002	V	Michael	17/5/2002	14	151	31	56

group: ('s004', V1')

school	class	name	dob	age	height	weight	ad
s004	V1	David	15/9/1992	12	169	32	4

Result:

Therefore the pandas program for grouping data by school and class executed successfully.

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```
Group: ('s001', 'V')
  school class          name date_Of_Birth  age  height  weight  address
0   s001     V  Alberto Franco    15/05/2002   12     173      35  street1

Group: ('s001', 'VI')
  school class          name date_Of_Birth  age  height  weight  address
3   s001    VI  Eesha Hinton    25/09/1998   13     167      30  street1

Group: ('s002', 'V')
  school class          name date_Of_Birth  age  height  weight  address
1   s002     V  Gino Mcneill    17/05/2002   12     192      32  street2
4   s002     V  Gino Mcneill    11/05/2002   14     151      31  street2

Group: ('s003', 'VI')
  school class         name date_Of_Birth  age  height  weight  address
2   s003    VI  Ryan Parkes    16/02/1999   13     186      33  street3

Group: ('s004', 'VI')
  school class          name date_Of_Birth  age  height  weight  address
5   s004    VI  David Parkes    15/09/1997   12     159      32  street4
```

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