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EXPERIMENT - 16

Aim: To execute pandas program to split dataframe into groups based on school code.

Pseudocode:

1) Import pandas library
2) Create the Dataframe using the data
3) group the Dataframe by the 'school' column.
4) Print the type of the GroupBy ~~project~~ object.

Sample input:

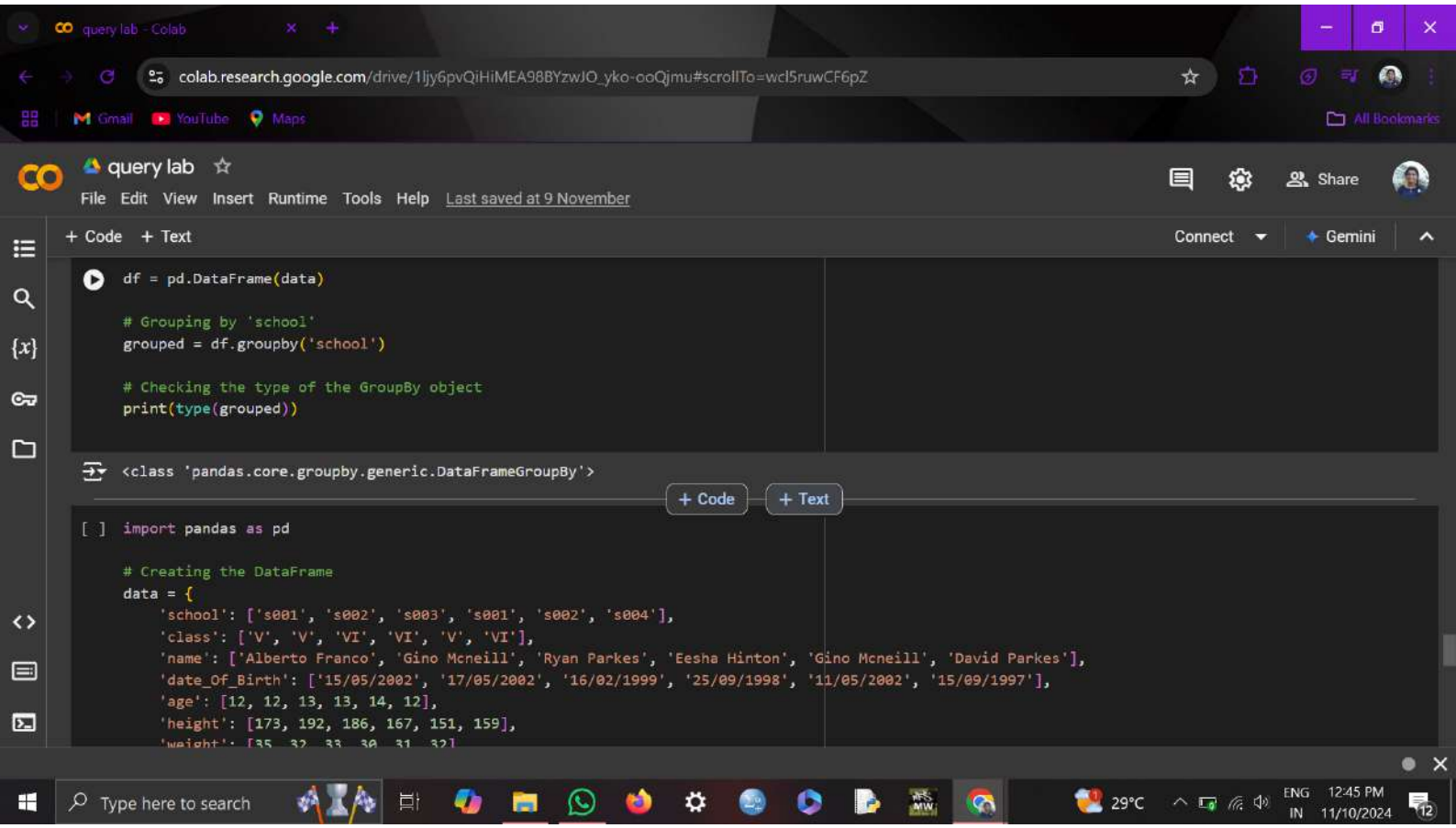
Database ('school', 'class', 'name', 'dob', 'age', 'height', 'weight', 'address')

Sample output:

<class 'pandas.core.groupby.generic.DataFrameGroupBy'>

Result:

Therefore the pandas program execution for splitting dataframe executed successfully.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df = pd.DataFrame(data)
# Grouping by 'school'
grouped = df.groupby('school')
# Checking the type of the GroupBy object
print(type(grouped))
<class 'pandas.core.groupby.generic.DataFrameGroupBy'>
+ Code
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[ ] import pandas as pd
# Creating the DataFrame
data = {
'school': ['s001', 's002', 's003', 's001', 's002', 's004'],
'class': ['V', 'V', 'VI', 'VI', 'V', 'VI'],
'name': ['Alberto Franco', 'Gino Mcneill', 'Ryan Parkes', 'Eesha Hinton', 'Gino Mcneill', 'David Parkes'],
'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]
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