EXPERIMENT- 17

Aim: To execute pandas program to split dataframe by school code and get mean, min, max value of age for each school.

Pseudocode:

1) Import the pandas library
2) Create dataframe using the data
3) Group the DataFrame by the 'school' column
4) Use the agg function to calculate the mean, min and max values for the 'age' column for each group. Print result.

Sample Input:

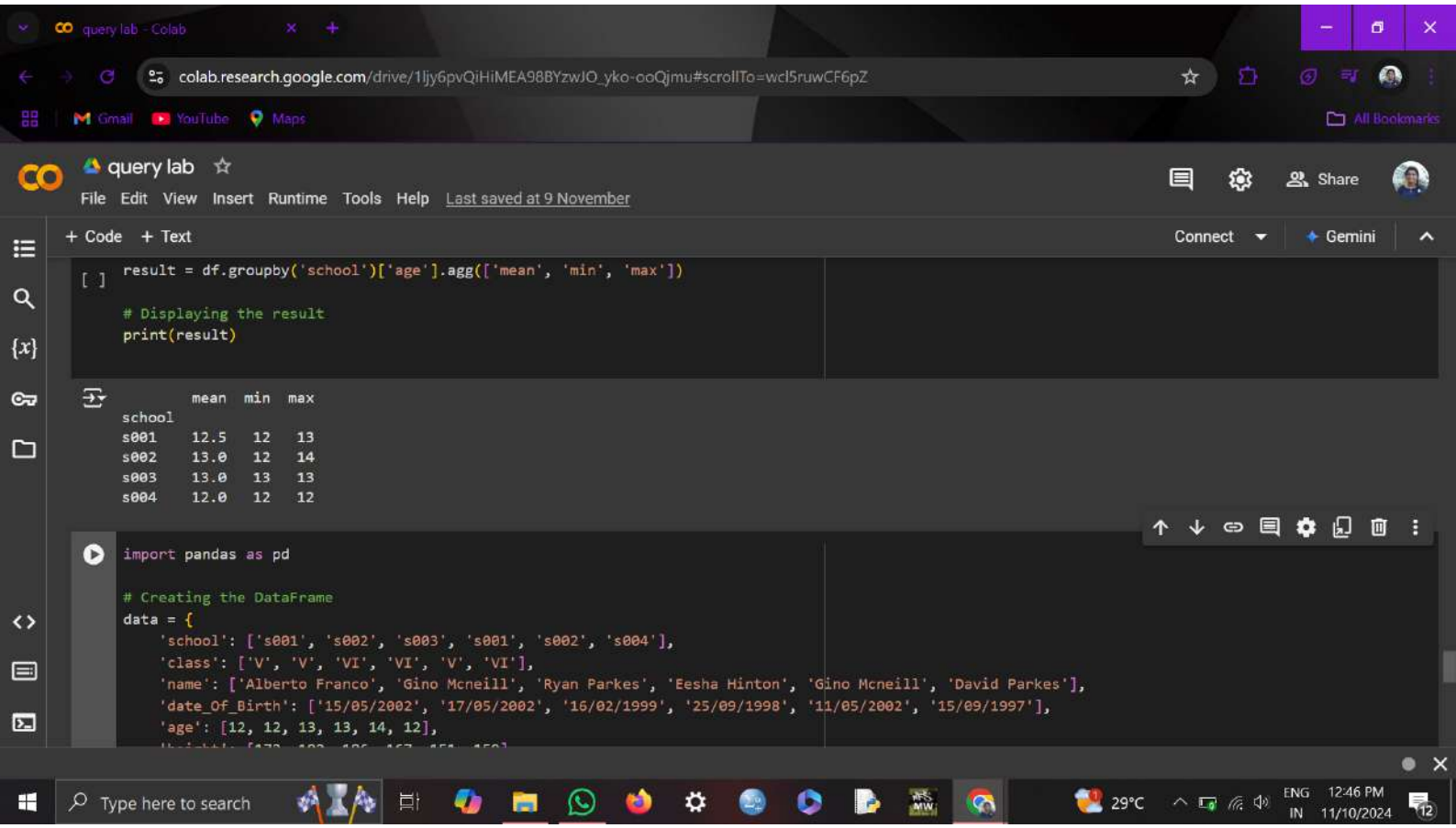
Database ('school', 'class', 'name', 'dob', 'age', 'height', 'w
'address')

Sample output:

School	mean	min	max
S001	12.5	12	13
S002	13.0	12	14
S003	13.0	13	13
S004	12.0	12	12

Result:

Therefore the pandas program for splitting dat
mean, min, max executed successfully.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result = df.groupby('school')['age'].agg(['mean', 'min', 'max'])
# Displaying the result
print(result)
mean min max
school
s001 12.5 12 13
s002 13.0 12 14
s003 13.0 13 13
s004 12.0 12 12
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],
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