Codes:

import pandas as pd

import pymysql

from sqlalchemy import create\_engine

engine = create\_engine('mysql+pymysql://user10:1234@localhost/vediogame')

conn = engine.connect()

df=pd.read\_sql\_query("SELECT \* FROM vediogame.vgsales", conn)

df.head()

Query=("""

SELECT CASE

WHEN year < 2005 THEN 'pre-2005'

ELSE 'post-2005'

END AS period,

AVG(global\_sales)

FROM vediogame.vgsales

WHERE year IS NOT NULL

GROUP BY period;

""")

df\_result = pd.read\_sql\_query(Query, conn)

print(df\_result)

new\_query = """

SELECT

year,

global\_sales,

CASE

WHEN year < 2005 THEN 'pre-2005'

ELSE 'post-2005'

END AS period\_label,

AVG(global\_sales) OVER (PARTITION BY

CASE

WHEN year < 2005 THEN 'pre-2005'

ELSE 'post-2005'

END

) AS avg\_sales

FROM vgsales

WHERE year IS NOT NULL;

"""

df = pd.read\_sql\_query(new\_query, conn)

print(df)

conn.close()

Screenshots

A screenshot of a computer

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