1. **CAST OBJECTS TO A DATA TYPE**

SELECT customerNumber,

    COUNT(\*) AS number\_payments,

    MIN(CAST(amount AS INT)) AS min\_purchase,

    MAX(CAST(amount AS INT))  AS max\_purchase,

    AVG(CAST(amount AS INT)) AS avg\_purchase,

    SUM(CAST(amount AS INT)) AS total\_spent

FROM payments

pd.read\_sql('''

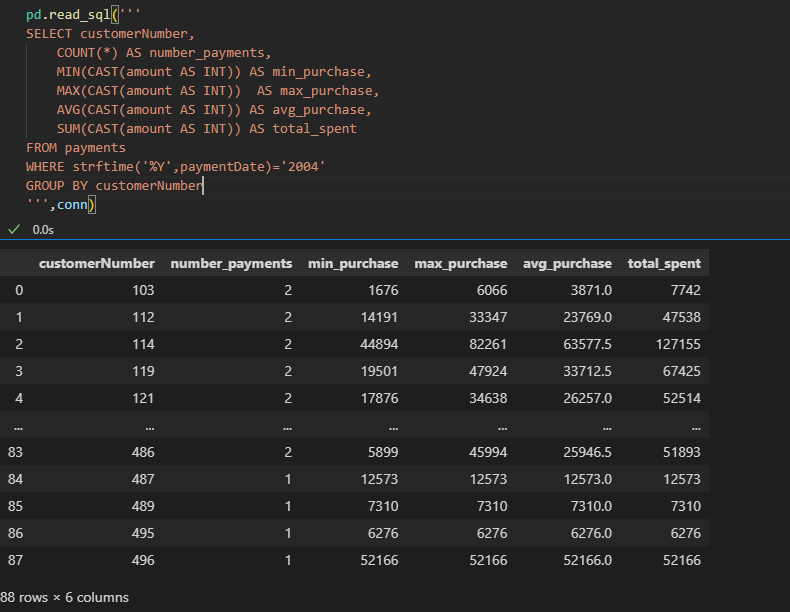
select cast(round(priceEach) as INTEGER) as rounded\_price\_int

        from orderDetails

            ''',conn)

**2.Strip year or month from date as a string object**

WHERE strftime('%Y',paymentDate)='2004'



pd.read\_sql('''

select orderDate,

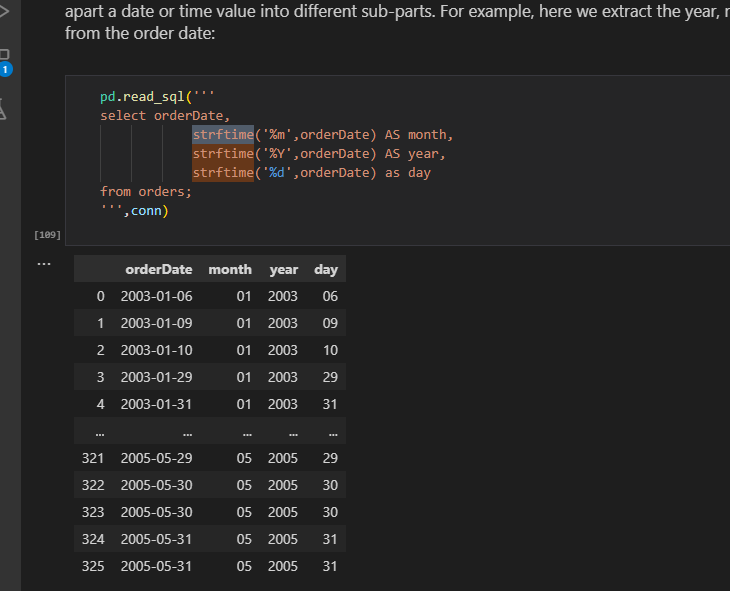
            strftime('%m',orderDate) AS month,

            strftime('%Y',orderDate) AS year,

            strftime('%d',orderDate) as day

from orders;

''',conn)



**Or use substr method**

pd.read\_sql('''

SELECT customerNumber,

    COUNT(\*) AS number\_payments,

    MIN(CAST(amount AS INT)) AS min\_purchase,

    MAX(CAST(amount AS INT))  AS max\_purchase,

    AVG(CAST(amount AS INT)) AS avg\_purchase,

    SUM(CAST(amount AS INT)) AS total\_spent

FROM payments

WHERE substr(paymentDate,1,4) ='2004'

GROUP BY customerNumber

''',conn)

