Exercise_04_KSQL

1.- Ejecuta desde la terminal los pasos del fichero README asociado al ejercicio. Pega las imágenes de la ejecución de cada uno de los pasos.

```
Format:JSON
"" ("ROWTIME":1744826294477, "ROWKEY": "982d1554-9bf4-426a-97b7-3f661979d7ff", "orderId": "982d1554-9bf4-426a-97b7-3f661979d7ff", "customerId": 1, "product": "Mediocre l
(*ROWTIME*:1744826296991,*ROWKEY*:*df4b1c77-a186-4e87-8197-1050b906a9e7*,*orderId*:*df4b1c77-a186-4e87-8197-1050b906a9e7*,*customerId*:1,*product*:*Ergonomic
Leather Pants","amount":42,"price":99.82,"orderedAt":1743989928089}
*ROWTIME*:1744826298002,*ROWKEY*:*d2613746-b83a-4d90-a21b-973c364a3399*,*orderId*:*d2613746-b83a-4d90-a21b-973c364a3399*,*customerId*:3,*product*:*Intelligen
Silk Clock", "amount":13, "price":65.26, "orderedAt":1744098450110}
*ROWTIME*:1744826299016,*ROWKEY*:*1fd47459-e9e5-4e36-aeef-72c8bdcddd00*,*orderId*:*1fd47459-e9e5-4e36-aeef-72c8bdcddd00*,*customerId*:1,*product*:*Aerodyna
^CTopic printing ceased<mark>pt</mark>
ksql> CREATE STREAM orders_stream
  (orderedAt BIGINT,
   customerId BIGINT,
   price DOUBLE,
   product VARCHAR)
   WITH (KAFKA_TOPIC='orders',
         VALUE_FORMAT='JSON',
         TIMESTAMP='orderedAt');
Message
Stream created
(sal>
```



+	+
CUSTOMERID	KSQL_COL_1
1 3 2 4	

```
^C
ksql> CREATE TABLE orders_by_customer AS
> SELECT customerId,
> count(*)
> FROM orders_stream
> GROUP BY customerId
> EMIT CHANGES;
Cannot add table 'ORDERS_BY_CUSTOMER': A table with the same name already exists
ksql> ■
```

select * from orders_by_customer emit changes;

	+	-+	-+
ROWTIME	ROWKEY	CUSTOMERID	KSQL_COL_1
1744673668407	1	1	11
1744656551528	3	3	17
1744752135937	2	2	12
1744817318133	4	4	26

2.- Filtrar por el producto "Awesome Silk Computer". Copia y pega la consulta KSQL ejecutada y el resultado de la ejecución de la consola.

+						
ROWTIME	ROWKEY	ORDEREDAT	CUSTOMERID	AMOUNT	PRICE	PRODUCT
1744285817868	9f62174e-4d3f-4a82-	9 1744285817868	4	3	14.37	Awesome Silk Compute
	2f4-666c2670432e					r
1744217297116	fd450035-5dbb-4df4-	a 1744217297116	2	51	90.61	Awesome Silk Compute
	009-f7d770f152fc					r
1744123188843	2804a57c-1d41-4fd4-	8 1744123188843	4	74	56.17	Awesome Silk Compute
	768-6e263f1bb3ad					r

3.- Agrupa los clientes. Copia y pega la consulta KSQL ejecutada y el resultado de la ejecución de la consola.

4.- Crea una nueva tabla denominada "customer_totals" que contenga el Identificador del cliente y el total gastado. Copia el código KSQL para crear la tabla. Una vez creada realiza una consulta sobre la misma, copia y pega el código KSQL y el resultado.

```
ksql> CREATE TABLE customer_totals AS

> SELECT

> CUSTOMERID,

> SUM(AMOUNT * PRICE) AS TOTAL_SPENT

> FROM orders_stream

> GROUP BY CUSTOMERID;

Message

Table CUSTOMER_TOTALS created and running. Created by query with query ID: CTAS_CUSTOMER_TOTALS_2

ksql>
```

ksql> SELECT * FROM custome			
ROWTIME	ROWKEY	CUSTOMERID	TOTAL_SPENT
1744899032146	1	1	27756559.810000062
1744899066939	2	2	54559599.650000416
1744899002779	3	[3	55102006.910000265
1744899071804	4	4	82524173.11999916
1744899032146	1	1	29396461.300000124
1744899093660	2	2	57985234.21000038