// **sql** III

**select**

\*

**from** ***`awari-data-analytics-2023.dataset\_olist.order\_payments`***

**WHERE** (***payment\_type*** = **'boleto'** **or** ***payment\_type*** = **'voucher'**)

**select**

\*,

***product\_length\_cm*** \* ***product\_height\_cm*** \* ***product\_width\_cm*** **as** *product\_volume\_cm2*

**from** ***`awari-data-analytics-2023.dataset\_olist.products`***

**SELECT**

\*

**from** ***`awari-data-analytics-2023.dataset\_olist.orders`***

**where** ***order\_purchase\_timestamp*** >= **'2017-01-01 00:00:00'**

**and** ***order\_purchase\_timestamp*** <= **'2017-12-31 23:59:59'**;

**SELECT**

\*

**from** ***`awari-data-analytics-2023.dataset\_olist.orders`***

**where** **extract**(**year** **from** order\_purchase\_timestamp) = 2017

**SELECT**

*Itens*.\*,

*Pedidos*.***order\_delivered\_customer\_date***,

DATETIME\_DIFF(***order\_delivered\_carrier\_date***, ***order\_purchase\_timestamp***, **DAY**) *DiasPostagem*,

**IF**(*Pedidos*.***order\_delivered\_customer\_date*** <= *Pedidos*.***order\_estimated\_delivery\_date*** **AND** *Pedidos*.***order\_delivered\_customer\_date*** **IS** **NOT** **NULL**,**"sim"**,**"nao"**) *EntreguePrazo*

**FROM** ***`awari-data-analytics-2023.dataset\_olist.customers`*** **AS** *Clientes*

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.orders`*** **AS** *Pedidos*

**ON** *Clientes*.***customer\_id*** = *Pedidos*.***customer\_id***

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.order\_items`*** **AS** *Itens*

**ON** *Itens*.***order\_id*** = *Pedidos*.***order\_id***

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.sellers`*** **AS** *Vendedores*

**ON** *Vendedores*.***seller\_id*** = *Itens*.***seller\_id***

**WHERE** *Clientes*.***customer\_state*** <> *Vendedores*.***seller\_state***

**SELECT** \* **FROM** (

**SELECT**

*Clientes*.***customer\_state*** **AS** *Estado*,

*Produtos*.***product\_category\_name*** **AS** *Categoria*,

**COUNT**(\*) **AS** *QTD\_Items*

**FROM** ***`awari-data-analytics-2023.dataset\_olist.customers`*** **AS** *Clientes*

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.orders`*** **AS** *Pedidos*

**ON** *Clientes*.***customer\_id*** = *Pedidos*.***customer\_id***

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.order\_items`*** **AS** *Items* **ON** *Pedidos*.***order\_id*** = *Items*.***order\_id***

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.products`*** **AS** *Produtos*

**ON** *Produtos*.***product\_id*** = *Items*.***product\_id***

**GROUP** **BY** *Estado*, *Categoria*

**ORDER** **BY** *Estado*, *QTD\_Items* **DESC**

)

**AS** *TABELA* **WHERE** *QTD\_Items* > 1000;

**SELECT**

*Vendedor*.***seller\_id*** **AS** *IdVendedor*,

*Produtos*.***product\_category\_name*** **AS** *Categoria*,

**SUM**(*Items*.***price***) **AS** *Pagamentos*

**FROM** ***`awari-data-analytics-2023.dataset\_olist.order\_items`*** **AS** *Items*

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.products`*** **AS** *Produtos*

**ON** *Produtos*.***product\_id*** = *Items*.***product\_id***

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.sellers`*** **AS** *Vendedor*

**ON** *Vendedor*.***seller\_id*** = *Items*.***seller\_id***

**GROUP** **BY** *IdVendedor*, *Categoria*

**HAVING** *Pagamentos* > 1000

**ORDER** **BY** *Categoria*, *Pagamentos* **ASC**;

**WITH** *top\_clientes* **AS**

(

**SELECT**

*Clientes*.***customer\_unique\_id*** **AS** *IdCliente*,

**SUM**(*Pagamentos*.***payment\_value***) **AS** *TotalCompras*,

**AVG**(*Pagamentos*.***payment\_value***) **AS** *MediaCompras*,

**COUNT**(*Pedidos*.***order\_id***) **AS** *QTD\_Compras*

**FROM** ***`awari-data-analytics-2023.dataset\_olist.customers`*** **AS** *Clientes*

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.orders`*** **AS** *Pedidos*

**ON** *Clientes*.***customer\_id*** = *Pedidos*.***customer\_id***

**INNER** **JOIN** ***`awari-data-analytics-2023.dataset\_olist.order\_payments`*** **AS** *Pagamentos*

**ON** *Pagamentos*.***order\_id*** = *Pedidos*.***order\_id***

**GROUP** **BY** *IdCliente*

**ORDER** **BY** *MediaCompras* **DESC**

**LIMIT** 5

)

**SELECT** \* **FROM** *top\_clientes* **ORDER** **BY** *MediaCompras* **DESC**;