# SQL - RESTRINGINDO E CLASSIFICANDO DADOS

## SIMONE DOMINICO – AULA 2

# LIMITANDO LINHAS USANDO SELEÇÃO
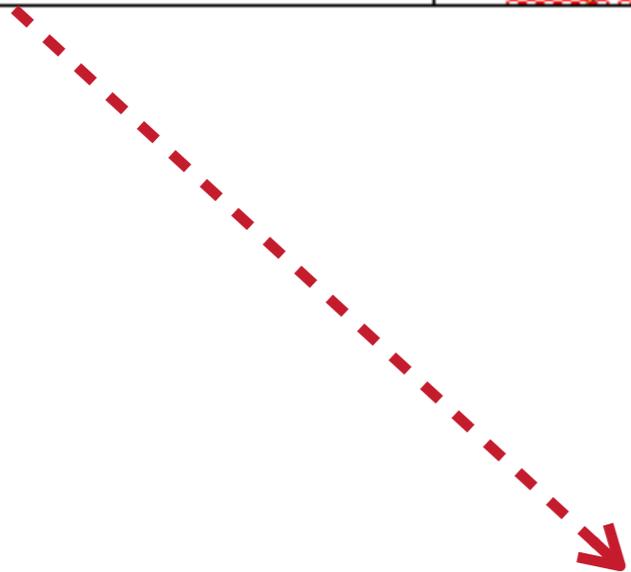
| r_regionkey | r_name | r_comment |
|---|---|---|
| 0 | AFRICA | lar deposits. blithely final packages cajole. regular waters are final requests. regular accounts are according to |
| 1 | AMERICA | hs use ironic, even requests. s |
| 2 | ASIA | ges. thinly even pinto beans ca |
| 3 | EUROPE | ly final courts cajole furiously final excuse |
| 4 | MIDDLE EAST | uickly special accounts cajole carefully blithely close requests. carefully final asymptotes haggle furiousl |

| n_nationkey | n_name | n_regionkey | n_comment |
|---|---|---|---|
| 0 | ALGERIA | 0 | haggle. carefully final deposits detect slyly agai |
| 1 | ARGENTINA | 1 | al foxes promise slyly according to the regular accounts. bold requests alon |
| 2 | BRAZIL | 1 | y alongside of the pending deposits. carefully special packages are about the ironic forges. slyly special |
| 3 | CANADA | 1 | eas hang ironic, silent packages. slyly regular packages are furiously over the tithes. fluffily bold |
| 4 | EGYPT | 4 | y above the carefully unusual theodolites. final dugouts are quickly across the furiously regular d |
| 5 | ETHIOPIA | 0 | ven packages wake quickly. regu |
| 6 | FRANCE | 3 | refully final requests. regular, ironi |
| 7 | GERMANY | 3 | l platelets. regular accounts x-ray: unusual, regular acco |
| 8 | INDIA | 2 | ss excuses cajole slyly across the packages. deposits print aroun |
| 9 | INDONESIA | 2 | slyly express asymptotes. regular deposits haggle slyly. carefully ironic hockey players sleep blithely. carefull |
| 10 | IRAN | 4 | efully alongside of the slyly final dependencies. |

# LIMITANDO LINHAS USANDO SELEÇÃO

| r_regionkey | r_name | r_comment |
|---|---|---|
| 0 | AFRICA | lar deposits. blithely final packages cajole. regular waters are final requests. regular accounts are according to |
| 1 | AMERICA | hs use ironic, even requests. s |
| 2 | ASIA | ges. thinly even pinto beans ca |
| 3 | EUROPE | ly final courts cajole furiously final excuse |
| 4 | MIDDLE EAST | uickly special accounts cajole carefully blithely close requests. carefully final asymptotes haggle furiousl |

**SELECIONAR TODOS OS PAÍSES DA REGIÃO 0**

| n_nationkey | n_name | n_regionkey | n_comment |
|---|---|---|---|
| 0 | ALGERIA | 0 | haggle. carefully final deposits detect slyly agai |
| 5 | ETHIOPIA | 0 | ven packages wake quickly. regu |
| 14 | KENYA | 0 | pending excuses haggle furiously deposits. pending, express pinto beans wake fluffily past t |
| 15 | MOROCCO | 0 | rns. blithely bold courts among the closely regular packages use furiously bold platelets? |
| 16 | MOZAMBIQUE | 0 | s. ironic, unusual asymptotes wake blithely r |

# LIMITANDO LINHAS SELECIONADAS

▶ **Cláusula WHERE**

**SELECT** coluna1, coluna2

**FROM** tabela
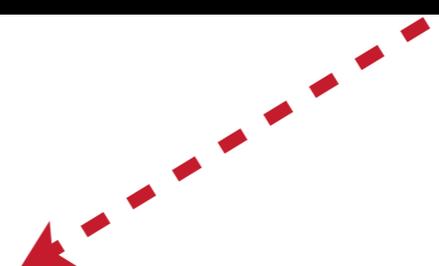
**WHERE** condição;

# USANDO A CLÁUSULA WHERE

```
tpch=> select * from nation where n_regionkey=0;
```

# USANDO A CLÁUSULA WHERE
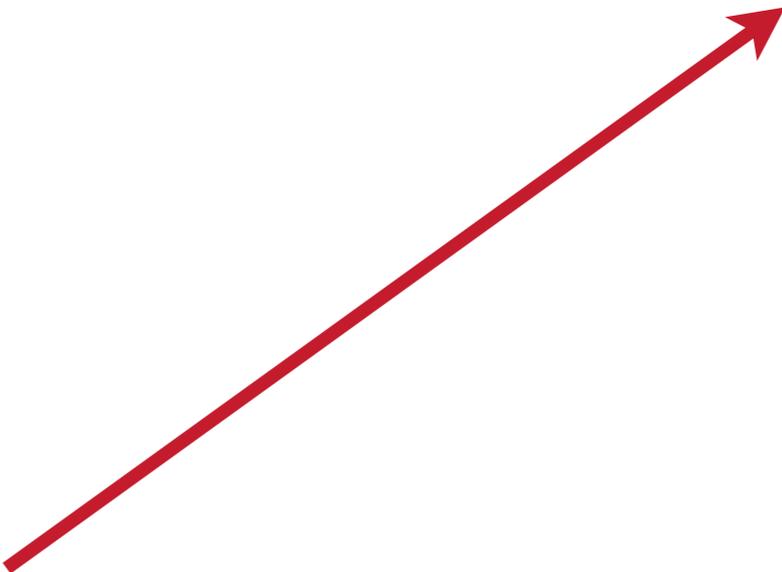
```
tpch=> select * from nation where n_regionkey=0;
```



```
 n_nationkey |          n_name          | n_regionkey |
                           n_comment

-------------+--------------------------+-------------+---------------
-------
           0 | ALGERIA                  |           0 | haggle. carefu
lly final deposits detect slyly agai
           5 | ETHIOPIA                 |           0 | ven packages wa
ke quickly. regu
          14 | KENYA                    |           0 | pending excuse
s haggle furiously deposits. pending, express pinto beans wake fluffily
 past t
          15 | MOROCCO                  |           0 | rns. blithely b
old courts among the closely regular packages use furiously bold platele
ts?
          16 | MOZAMBIQUE               |           0 | s. ironic, unus
ual asymptotes wake blithely r
(5 rows)
```

# STRINGS DE CARACTERE E DATA
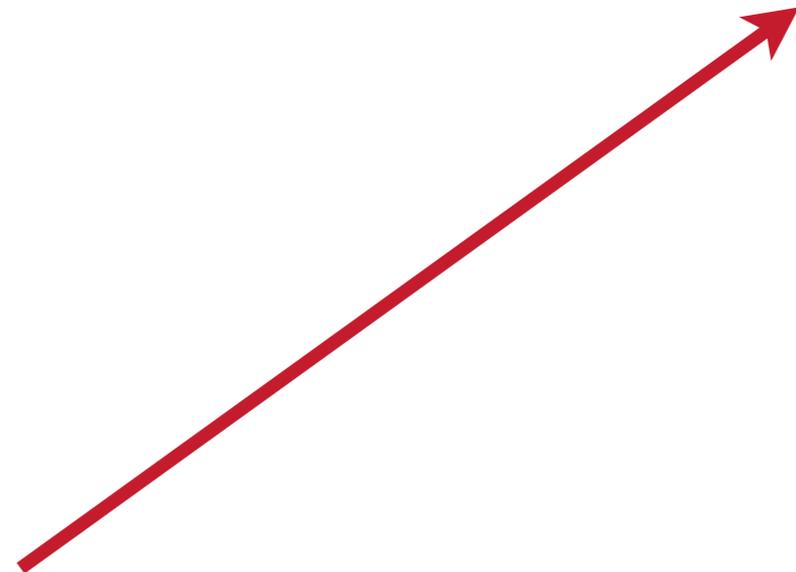
```
tpch=> select * from nation where n_name='BRAZIL';
```

ASPAS SIMPLES

# STRINGS DE CARACTERE E DATA

```
tpch=> select * from nation where n_name='BRAZIL';
```

```
 n_nationkey |                  n_name                  | n_regionkey |
                               n_comment


-----------------+------------------------------------------+-------------+----------------
-----------------------------------------------------------------------+
---------------------
           2 | BRAZIL                                   |           1 | y alongside of
 the pending deposits. carefully special packages are about the ironic f
rges. slyly special
(1 row)
```

# STRINGS DE CARACTERE E DATA

```
tpch=> select * from nation where n_name='BRAZIL';
```

**ASPAS SIMPLES**

**DISTINÇÃO ENTRE MAIÚSCULA E MINÚSCULA**

```
tpch=> select * from nation where n_name='Brazil';
```

# STRINGS DE CARACTERE E DATA

```
tpch=> select l_quantity,l_shipdate from lineitem where l_shipdate='1996
-03-13';
```

# STRINGS DE CARACTERE E DATA

```
tpch=> select l_quantity,l_shipdate from lineitem where l_shipdate='1996
-03-13';
```

```
 l_quantity |  l_shipdate
------------+-------------
      17.00 | 1996-03-13
      10.00 | 1996-03-13
       6.00 | 1996-03-13
      39.00 | 1996-03-13
      29.00 | 1996-03-13
      28.00 | 1996-03-13
      50.00 | 1996-03-13
      15.00 | 1996-03-13
      27.00 | 1996-03-13
```

2582 rows

# OPERADORES DE COMPARAÇÃO

▶ **= igual a.**

▶ **> maior do que**

▶ **>= maior do que ou igual a**

▶ **< menor que**

▶ **<=menor ou igual a**

▶ **<> diferente de**

# USANDO OPERADORES DE COMPARAÇÃO

```
tpch=> select l_linestatus, l_comment, l
_shipdate from lineitem where l_shipdate
='1998-11-30';
```

**187 ROWS**

| l_linestatus | l_comment | l_shipdate |
|---|---|---|
| O | ngside of the silen | 1998-11-30 |
| O | pending requests along the caref | 1998-11-30 |
| O | ter the quickly even deposits. car | 1998-11-30 |
| O | pinto beans-- pin | 1998-11-30 |
| O | lyly unusual, bold packages. bold package | 1998-11-30 |
| O | s! furiously bold deposits ac | 1998-11-30 |
| O | r, unusual packages cajole fur | 1998-11-30 |
| O | equests affix furiously even excuses. r | 1998-11-30 |
| O | tes cajole. express foxes wake above the ev | 1998-11-30 |
| O | otes nag c | 1998-11-30 |

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **Between**: exibir linhas em uma faixa de valores.

```
tpch=> select p_name, p_size from part where
p_size between 3 and 5;
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **Between**: exibir linhas em uma faixa de valores.

```
tpch=> select p_name, p_size from part where
p_size between 3 and 5;
```

**limite inferior**

**limite superior**

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **Between**: exibir linhas em uma faixa de valores.

```
tpch=> select p_name, p_size from part where
p_size between 3 and 5;
```

**12191 ROWS**

```
              p_name                    | p_size
----------------------------------------+--------
bisque cornflower lawn forest magenta   |      4
aquamarine steel firebrick light turquoise |   3
chiffon tan forest moccasin dark        |      3
medium lace midnight royal chartreuse   |      5
slate drab medium puff gainsboro        |      3
cyan orchid indian cornflower saddle    |      4
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **IN**: filtrar o valor de um de seus campos a partir de uma lista e possibilidades.

```
tpch=> select p_name,p_size from part where
p_size in (2,9,11);
```

# OUTROS OPERADORES DE COMPARAÇÃO

‣ **IN**: filtrar o valor de um de seus campos a partir de uma lista e possibilidades.

```
tpch=> select p_name,p_size from part where
p_size in (2,9,11);
```

**12100 ROWS**

```
                 p_name                | p_size
---------------------------------------+--------
 deep sky turquoise drab peach         |      2
 seashell papaya white mint brown      |     11
 lawn peru ghost khaki maroon          |      9
 sky cream deep tomato rosy            |      9
 misty brown medium mint salmon        |      2
 lace burnished rosy antique metallic  |      2
 rosy light lime puff sandy            |      9
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where p_type like 'PROMO';
```

TEXTO: EXATAMENTE O TEXTO

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where p_type like 'PROMO';
```

**TEXTO: EXATAMENTE O TEXTO**

```
 p_name | p_type
--------+--------
(0 rows)
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where p_type like '%PROMO';
```

%TEXTO: TERMINA COM O TEXTO

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where p_type like '%PROMO';
```

**%TEXTO: TERMINA COM O TEXTO**

```
 p_name | p_type
--------+--------
(0 rows)
```

# OUTROS OPERADORES DE COMPARAÇÃO

▶ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where p_type like 'PROMO%';
```

TEXTO%:COMEÇA COM O TEXTO

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where p_type like 'PROMO%';
```

**TEXTO%:COMEÇA COM O TEXTO**

**RETORNA 33174 ROWS**

```
                     p_name                       |          p_type
--------------------------------------------------+------------------
 goldenrod lavender spring chocolate lace         | PROMO BURNISHED CO
PPER
 bisque cornflower lawn forest magenta            | PROMO PLATED STEEL
 misty lace thistle snow royal                    | PROMO BURNISHED TI
N
 deep sky turquoise drab peach                    | PROMO PLATED TIN
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select p_name,p_type from part where
p_type like '%PROMO%' ;
```

**%TEXTO%: CONTÊM O TEXTO**

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE: utilizado para buscar por uma determinada string dentro de um campo com valores textuais**

```
tpch=> select p_name,p_type from part where
p_type like '%PROMO%';
```

**%TEXTO%: CONTÊM O TEXTO**

```
                        p_name                          |        p_type
--------------------------------------------------------+-------------------
-----
 goldenrod lavender spring chocolate lace               | PROMO BURNISHED CO
PPER
 bisque cornflower lawn forest magenta                  | PROMO PLATED STEEL
 misty lace thistle snow royal                          | PROMO BURNISHED TI
N
 deep sky turquoise drab peach                          | PROMO PLATED TIN
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select r_name from region where r_name
 like ' _M%';
```

COMECE COM UM CARACTERE QUALQUER, EM SEGUIDA CONTENHA UMA LETRA "M", E DEPOIS QUALQUER VALOR.          1 ROW

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **LIKE**: utilizado para buscar por uma determinada string dentro de um campo com valores textuais

```
tpch=> select r_name from region where r_name
like '_M%';
```

COMECE COM UM CARACTERE QUALQUER, EM SEGUIDA CONTENHA UMA LETRA "M", E DEPOIS QUALQUER VALOR.          1 ROW

```
        r_name
---------------------------
 AMERICA
(1 row)
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **IS NULL: verifica os valores que são nulos, valor não disponível**

```
tpch=> select r_name from region where r_name
is null;
```

# OUTROS OPERADORES DE COMPARAÇÃO

▸ **IS NULL: verifica os valores que são nulos, valor não disponível**

```
tpch=> select r_name from region where r_name
 is null;
```

```
 r_name
--------
(0 rows)
```

# OPERADORES LÓGICOS

▸ **AND:** retorna verdadeiro se as condições de componentes forem verdadeiras.

```
tpch=> select l_shipmode, l_shipinstruct from
 lineitem where l_shipmode='MAIL' and
l_shipinstruct= 'DELIVER IN PERSON';
```

**AMBAS VERDADEIRAS**

# OPERADORES LÓGICOS

▸ **AND:** retorna verdadeiro se as condições de componentes forem verdadeiras.

```
tpch=> select l_shipmode, l_shipinstruct from
 lineitem where l_shipmode='MAIL' and
l_shipinstruct= 'DELIVER IN PERSON';
```

## AMBAS VERDADEIRAS

**RETORNA 213782 rows**

```
 l_shipmode |     l_shipinstruct
------------+----------------------------
 MAIL       | DELIVER IN PERSON
 MAIL       | DELIVER IN PERSON
 MAIL       | DELIVER IN PERSON
```

# OPERADORES LÓGICOS

▸ **AND:** retorna verdadeiro se as condições de componentes forem verdadeiras.
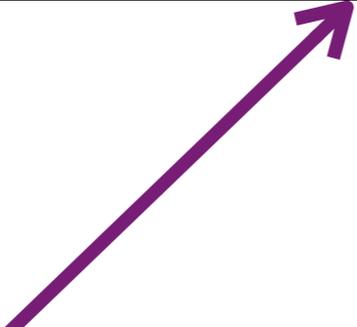
| AND | TRUE | FALSE | NULL |
|---|---|---|---|
| TRUE | TRUE | FALSE | NULL |
| FALSE | FALSE | FALSE | FALSE |
| NULL | NULL | FALSE | NULL |

# OPERADORES LÓGICOS
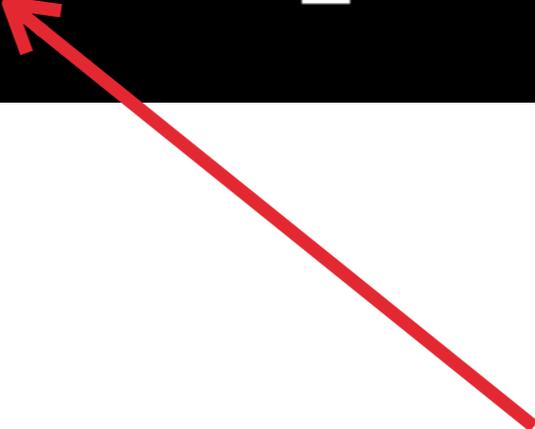
▸ **OR:** uma condição ou a outra podem ser verdadeiras.

```
tpch=> select l_shipmode, l_shipinstruct from
lineitem where l_shipmode='MAIL' or
l_shipinstruct= 'NONE';
```

VERDADEIRO

VERDADEIRO

# OPERADORES LÓGICOS

▸ **OR:** uma condição ou a outra podem ser verdadeiras.

```
tpch=> select l_shipmode, l_shipinstruct from
 lineitem where l_shipmode='MAIL' or
l_shipinstruct= 'NONE';
```

**VERDADEIRO**

**RETORNA 2143661 rows**

**VERDADEIRO**

```
 l_shipmode |       l_shipinstruct
------------+------------------------------
 MAIL       | COLLECT COD
 MAIL       | COLLECT COD
 RAIL       | NONE
 MAIL       | DELIVER IN PERSON
```

# OPERADORES LÓGICOS

▸ **OR:** uma condição ou a outra podem ser verdadeiras.

| OR | TRUE | FALSE | NULL |
|---|---|---|---|
| TRUE | TRUE | TRUE | TRUE |
| FALSE | TRUE | FALSE | NULL |
| NULL | TRUE | NULL | NULL |

# OPERADORES LÓGICOS

▸ **NOT:** retorna os campos sem a condição.

```
tpch=> select n_name from nation where not
n_name='BRAZIL';
```

# OPERADORES LÓGICOS

‣ **NOT:** retorna os campos sem a condição.

```
tpch=> select n_name from nation where not
n_name='BRAZIL';
```

```
          n_name
---------------------------
 ALGERIA
 ARGENTINA
 CANADA
 EGYPT
 ETHIOPIA
 FRANCE
 GERMANY
```

# OPERADORES LÓGICOS

▸ **NOT:** retorna os campos sem a condição.

```
tpch=> select p_name,p_type from part where
 p_type not like '%ECONOMY%';
```

**166529 rows**

```
                p_name                 |          p_type
---------------------------------------+------------------------
--------
 goldenrod lavender spring chocolate lace      | PROMO BURNISHED CO
PPER
 blush thistle blue yellow saddle              | LARGE BRUSHED BRAS
S
 spring green yellow purple cornsilk           | STANDARD POLISHED
BRASS
```

# OPERADORES LÓGICOS

▸ **NOT:** retorna os campos sem a condição.

```
tpch=> select p_name,p_type from part where
p_type not like '%ECONOMY%';
```

# REGRAS DE PRECEDÊNCIA

| Ordem de avaliação | Operador |
| --- | --- |
| 1 | Operadores de comparação |
| 2 | NOT |
| 3 | AND |
| 4 | OR |

# REGRAS DE PRECEDÊNCIA

```
tpch=> select l_shipmode, l_shipinstruct, l_quant
ity from lineitem where l_shipmode='MAIL'or l_shi
pinstruct= 'NONE' and l_quantity>45;
```
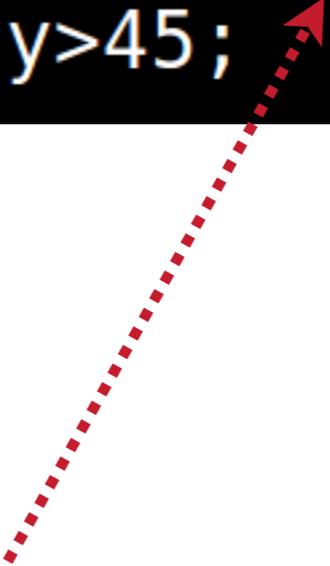
PRIMEIRA CONDIÇÃO: SE L_SHIPINSTRUCT É NONE E L_QUANTITY > 45

# REGRAS DE PRECEDÊNCIA

```
tpch=> select l_shipmode, l_shipinstruct, l_quant
ity from lineitem where l_shipmode='MAIL'or l_shi
pinstruct= 'NONE' and l_quantity>45;
```

**SEGUNDA CONDIÇÃO: SE L_SHIPMODE É MAIL**

# REGRAS DE PRECEDÊNCIA

```
tpch=> select l_shipmode, l_shipinstruct, l_quant
ity from lineitem where l_shipmode='MAIL'or l_shi
pinstruct= 'NONE' and l_quantity>45;
```

| l_shipmode | l_shipinstruct | l_quantity |
|------------|------------------|------------|
| MAIL | COLLECT COD | 9.00 |
| MAIL | COLLECT COD | 45.00 |
| MAIL | DELIVER IN PERSON | 50.00 |
| MAIL | NONE | 1.00 |
| MAIL | TAKE BACK RETURN | 1.00 |
| FOB | NONE | 48.00 |
| FOB | NONE | 47.00 |

# REGRAS DE PRECEDÊNCIA

```
tpch=> select l_shipmode, l_quantity from lineitem
 where l_shipmode='MAIL' or l_shipmode='TRUCK' and
l_quantity>45;
```

SELECIONE A LINHA SE L_SHIPMODE FOR 'TRUCK' E L_QUANTITY MAIOR
QUE 45 OU SE L_SHIPMODE FOR 'MAIL;'

# REGRAS DE PRECEDÊNCIA

```
tpch=> select l_shipmode, l_quantity from lineitem
 where l_shipmode='MAIL' or l_shipmode='TRUCK' and
l_quantity>45;
```

```
 l_shipmode | l_quantity
------------+------------
 MAIL       |        9.00
 MAIL       |       45.00
 MAIL       |       50.00
 MAIL       |        1.00
```

```
 TRUCK      |       47.00
 MAIL       |        3.00
```

SELECIONE A LINHA SE
L_SHIPMODE FOR
'TRUCK' E L_QUANTITY
MAIOR
QUE 45 OU SE
L_SHIPMODE FOR
'MAIL;'

# REGRAS DE PRECEDÊNCIA

```
tpch=> select l_shipmode, l_quantity from lineitem
 where (l_shipmode='MAIL' or l_shipmode='TRUCK') a
nd l_quantity>45;
```

```
l_shipmode | l_quantity
-----------+------------
MAIL       |      50.00
MAIL       |      48.00
MAIL       |      46.00
MAIL       |      50.00
MAIL       |      46.00
TRUCK      |      47.00
TRUCK      |      49.00
```

SELECIONE A LINHA SE
L_SHIPMODE FOR 'TRUCK' OU
SE L_SHIPMODE FOR 'MAIL E
SE L_QUANTITY MAIOR
QUE 45;'

# CLAUSULA – ORDER BY

▸ Classifica as linhas:

   ▸  ASC: crescente (PADRÃO).

   ▸ DESC: decrescente

# CLAUSULA – ORDER BY

```
tpch=> select n_name from nation order by n_name;
```

```
            n_name
--------------------------------
   ALGERIA
   ARGENTINA
   BRAZIL
   CANADA
   CHINA
   EGYPT
   ETHIOPIA
   FRANCE
```

# CLAUSULA – ORDER BY

```
tpch=> select n_name from nation order by n_name
 desc;
```

```
            n_name
---------------------------------
 VIETNAM
 UNITED STATES
 UNITED KINGDOM
 SAUDI ARABIA
 RUSSIA
 ROMANIA
 PERU
```

# CLASSIFICANDO POR APELIDO DE COLUNA

```
tpch=> select p_name, p_size, 2*p_size as calc
from part order by calc desc;
```

# CLASSIFICANDO POR APELIDO DE COLUNA

```
tpch=> select p_name, p_size, 2*p_size as calc
from part order by calc desc;
```

| p_name | p_size | calc |
|---|---|---|
| ivory peru lavender orange dark | 50 | 100 |
| sandy purple maroon ivory midnight | 50 | 100 |
| pink white sky burnished coral | 50 | 100 |
| brown thistle sky dodger lavender | 50 | 100 |
| deep turquoise light pale saddle | 50 | 100 |
| almond lawn sky steel pale | 50 | 100 |
| pink beige orange pale powder | 50 | 100 |
| dodger honeydew turquoise cornsilk olive | 50 | 100 |
| steel deep firebrick chartreuse royal | 50 | 100 |
| hot lavender cornsilk medium smoke | 50 | 100 |

# EXERCÍCIOS

# EXERCÍCIOS

Crie uma consulta para exibir o nome (p_name) e o preço de varejo (p_retailprice) dos itens de compra (part) em que o preço de varejo seja maior que R$ 2097.10.

```
            p_name                | p_retailprice
----------------------------------+----------------
 forest azure almond antique violet |        2097.99
 pink wheat powder burlywood snow   |        2097.99
 goldenrod drab brown salmon mint   |        2098.99
(3 rows)
```

# EXERCÍCIOS

Crie uma consulta para exibir os comentários da tabela nation em que o nome seja ARGENTINA.

```
                                    n_comment
-------------------------------------------------------------------------------------
 al foxes promise slyly according to the regular accounts. bold requests alon
(1 row)
```

# EXERCÍCIOS

3.    Crie uma consulta para exibir o nome (p_name) e o preço de varejo (p_retailprice) dos itens de compra (part) em que o preço de varejo esteja entre R$ 2095.10 e R$ 2097.90

```
            p_name                    | p_retailprice
----------------------------------------+---------------
 wheat olive antique pale aquamarine    |        2095.99
 frosted chiffon lawn cornsilk rosy     |        2095.99
 cornflower almond powder forest slate  |        2096.99
 deep mint violet almond dodger         |        2095.99
 thistle lavender linen azure sandy     |        2096.99
 cream navajo saddle dodger navy        |        2095.99
 peru maroon snow grey chartreuse       |        2096.99
(7 rows)
```

# EXERCÍCIOS

4. Exibir o desconto da tabela lineitem com data de recibo entre 27 de dezembro de 1998 e 31 de dezembro de 1998.

```
l_discount
-----------
      0.09
      0.02
      0.00
      0.00
      0.05
      0.00
      0.08
      0.08
      0.06
      0.03
      0.09
      0.06
      0.04
      0.04
      0.10
      0.05
      0.07
      0.02
      0.07
      0.10
      0.09
      0.09
      0.07
      0.08
(24 rows)
```

# EXERCÍCIOS

4. Crie uma consulta para exibir o nome (c_name) e o endereço (c_address ) do cliente (customer) do país (c_nationkey) 24 e com conta (c_acctbal) maior que R$ 9990

```
        c_name          |                  c_address
------------------------+------------------------------------------
Customer#000002487 |  sSe2DBAYdy4
Customer#000010494 |  uktWOyUEg3PfFaKd7vD2MGvNgArujNmmtwkMUp
Customer#000015607 |  C79Zv4hHcT9uNXctx5FKRxhglekdG b
Customer#000027412 |  ACEDOcco9TVfBKBfhoAtfLi83hRRPRfkyKNYjKsx
Customer#000089748 |  GcqG39MMHXJGv1jMwgCIRV9xw1S
Customer#000104503 |  QpAlfu9whI WjhfZ6Y8bmnKCsy6o78Mkna9
Customer#000119437 |  rosqLbSejLw9VzaT4jWrP0yeMpU26vrdFyHz5FV
Customer#000119509 |  JBDnrAGcDrXR6qp6P1meXjQ1HYB7
Customer#000121762 |  um6ODkwV8nz6ZWL KFMSrrOfmyIEaFeiQfNk56
Customer#000129387 |  bvJAPG5imObMiDtdgNoWBUZP3RpaNtM8aT4gz0
Customer#000148533 |  DUFKWFJ2GzbqCpXlS9XFjY
(11 rows)
```

# EXERCÍCIOS

5.   Crie uma consulta para exibir o nome (c_name)  e o endereço (c_address ) do cliente (customer) do país (c_nationkey) 24 e com conta (c_acctbal) maior que R$ 9990 e que a coluna c_mktsegment tenha o texto 'AUTO'. **dica: 3 rows.**

```
      c_name       |              c_address
-------------------+-------------------------------------
 Customer#000015607 | C79Zv4hHcT9uNXctx5FKRxhglekdG b
 Customer#000119509 | JBDnrAGcDrXR6qp6P1meXjQ1HYB7
 Customer#000148533 | DUFKWFJ2GzbqCpXlS9XFjY
(3 rows)
```

# EXERCÍCIOS

6. Crie uma consulta para exibir o nome (c_name) e o endereço (c_address ) do cliente (customer) do país (c_nationkey) 24 e com conta (c_acctbal) maior que R$ 9990 e que a coluna c_mktsegment tenha o texto 'AUTO' OU inicie com 'MAC'.

```
       c_name       |                 c_address
--------------------+-------------------------------------------
 Customer#000015607 | C79Zv4hHcT9uNXctx5FKRxhglekdG b
 Customer#000089748 | GcqG39MMHXJGv1jMwgCIRV9xw1S
 Customer#000104503 | QpAlfu9whI WjhfZ6Y8bmnKCsy6o78Mkna9
 Customer#000119437 | rosqLbSejLw9VzaT4jWrP0yeMpU26vrdFyHz5FV
 Customer#000119509 | JBDnrAGcDrXR6qp6P1meXjQ1HYB7
 Customer#000148533 | DUFKWFJ2GzbqCpXlS9XFjY
(6 rows)
```

# EXERCÍCIOS

7.    Criar uma consulta para exibir todas as informações da tabela nation em que o campo n_name não possua a letra A.

```
n_nationkey |          n_name       | n_regionkey |                                         n_comment

------------+-----------------------+-------------+----------------------------------------------------
------------------
         4 | EGYPT                  |           4 | y above the carefully unusual theodolites. final dugouts are quickly across the furious
ly regular d
        15 | MOROCCO                |           0 | rns. blithely bold courts among the closely regular packages use furiously bold platele
ts?
        17 | PERU                   |           1 | platelets. blithely pending dependencies use fluffily across the even pinto beans. care
fully silent accoun
        23 | UNITED KINGDOM         |           3 | eans boost carefully special requests. accounts are. carefull
(4 rows)
```

# EXERCÍCIOS

**8**. Criar uma consulta para exibir todas as informações da tabela nation em que o segundo caractere seja A.

```
n_nationkey |      n_name      | n_regionkey |                                    n_comment
-------------+-----------------+-------------+------------------------------------------------------------------------
          3 | CANADA          |           1 | eas hang ironic, silent packages. slyly regular packages are furiously over the tithes.
fluffily bold
         12 | JAPAN           |           2 | ously. final, express gifts cajole a
         20 | SAUDI ARABIA    |           4 | ts. silent requests haggle. closely express packages sleep across the blithely
(3 rows)
```