

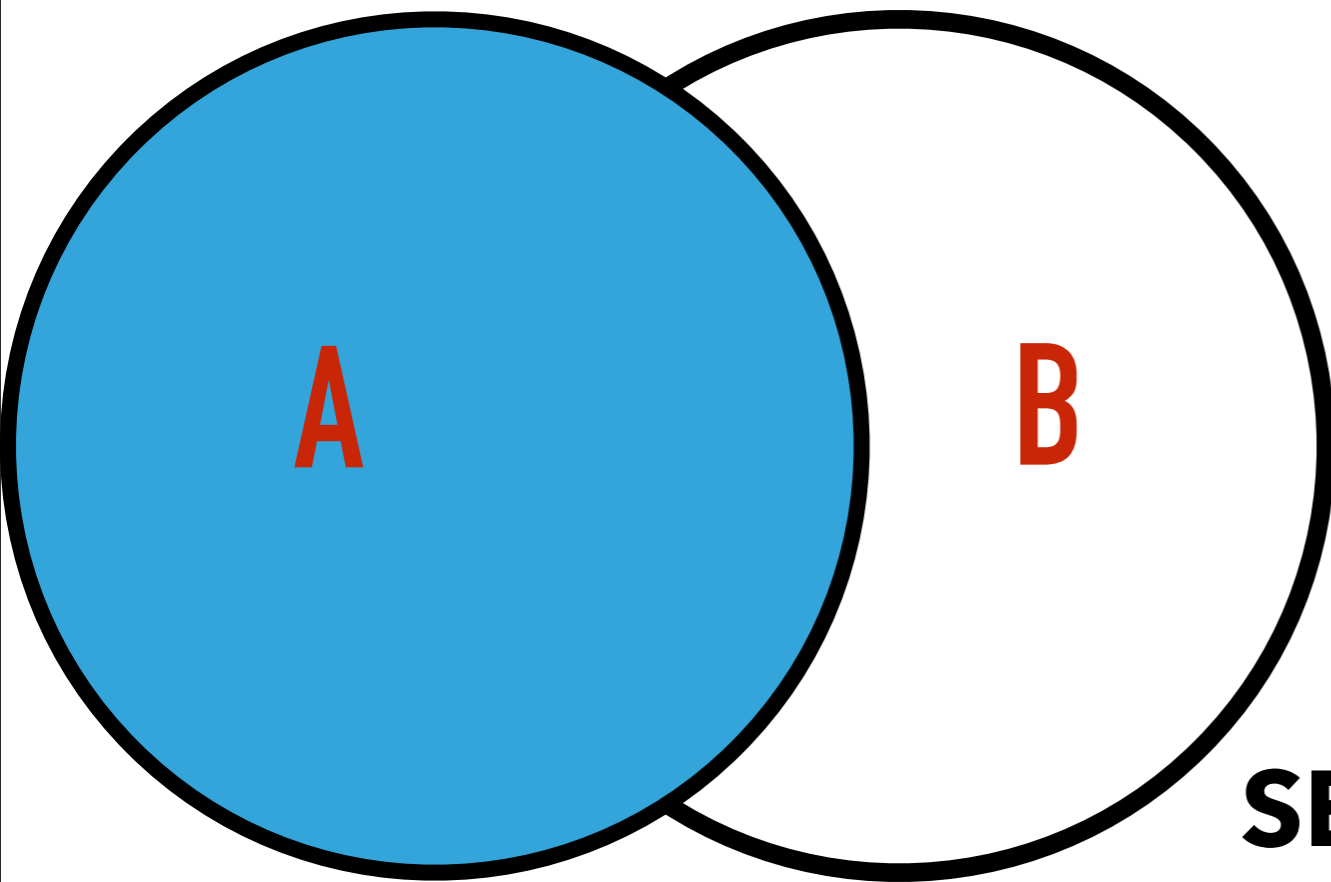
# SQL - EXIBINDO DADOS DE VÁRIAS TABELAS

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**SIMONE DOMINICO - AULA 4 - COMPLEMENTAR**

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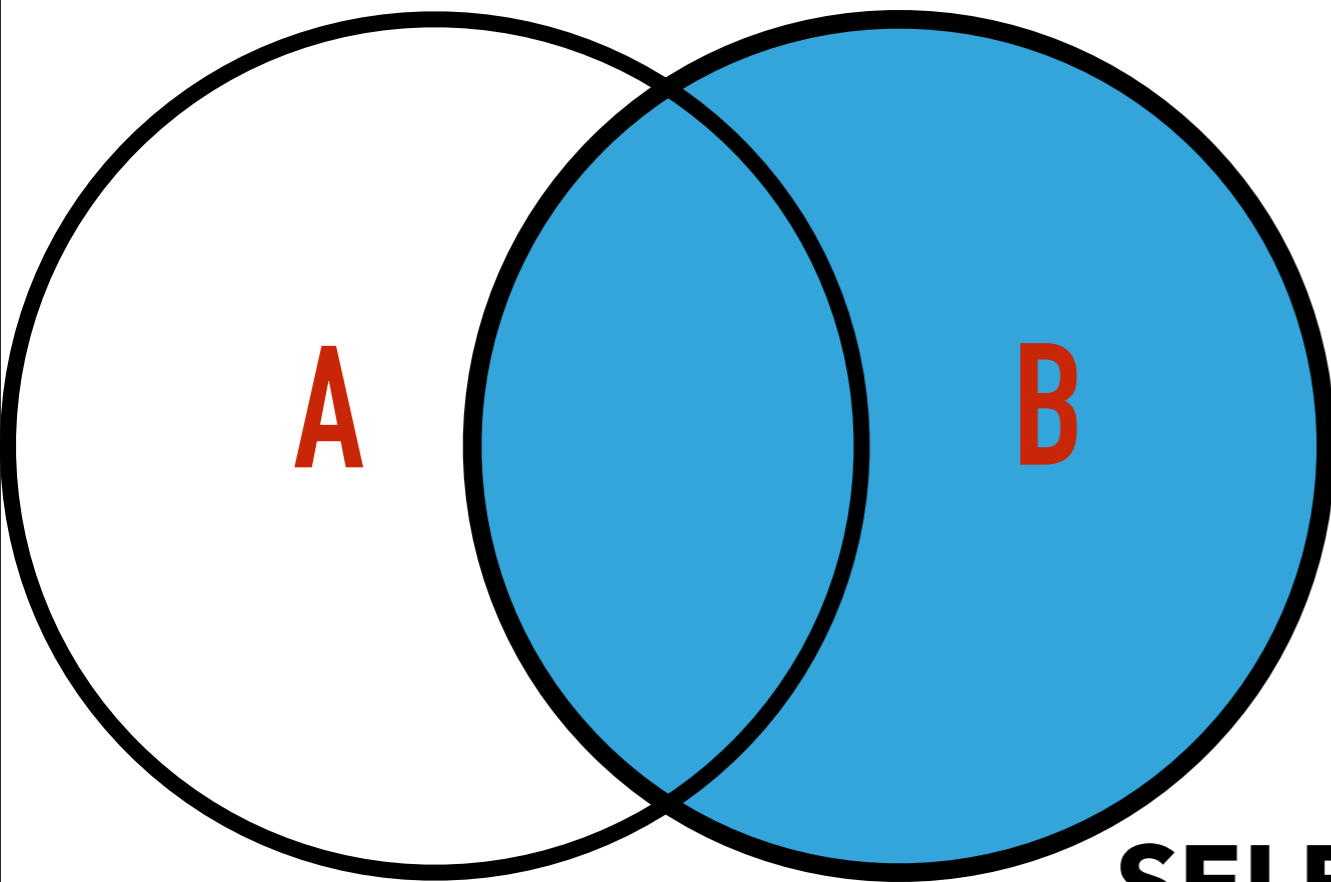
# LEFT JOIN



```
SELECT <select_list>  
FROM TABLE A  
LEFT OUTER JOIN TABLE B  
ON (A.KEY = B.KEY);
```

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# RIGHT JOIN



**SELECT** <select\_list>

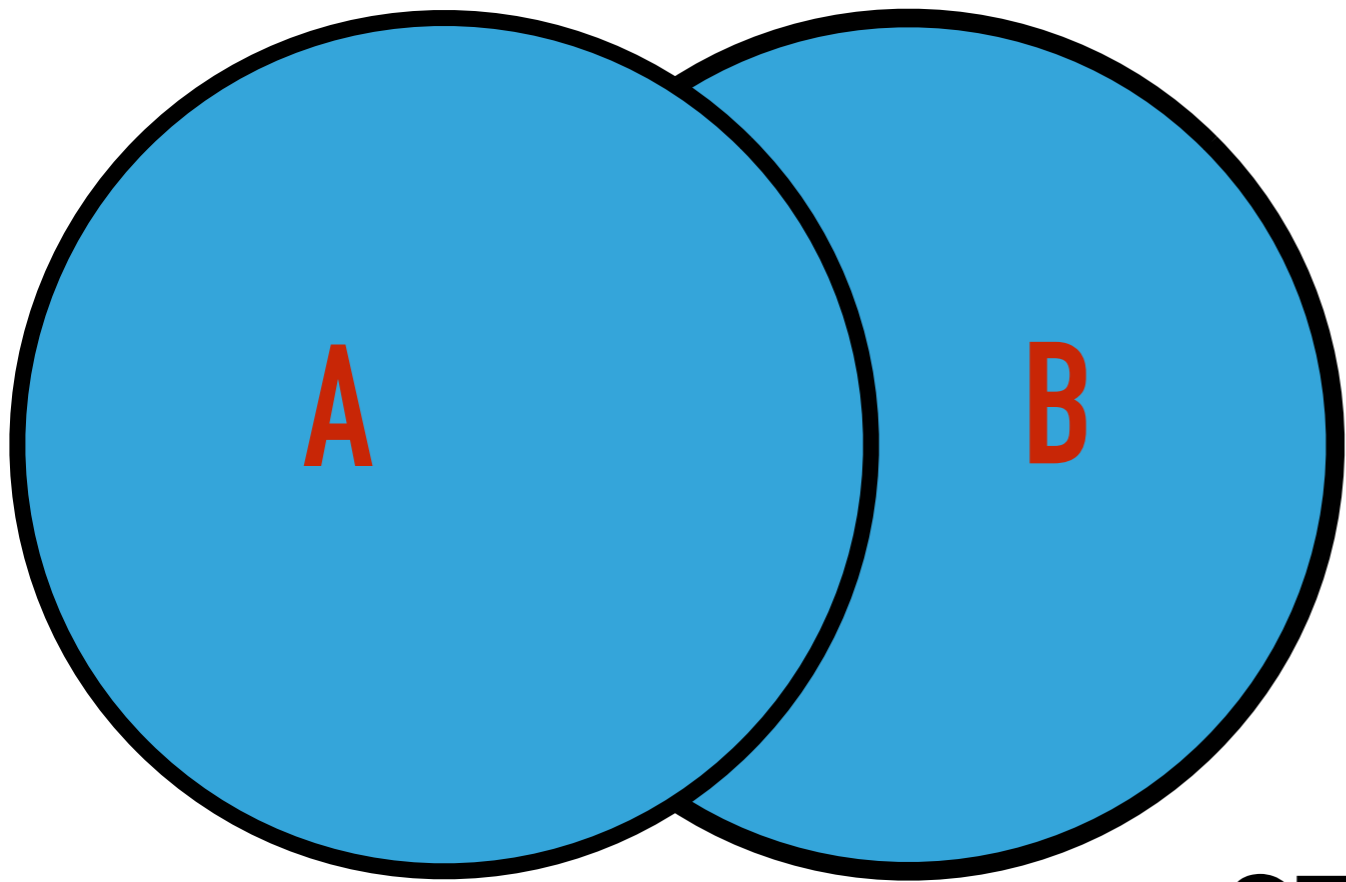
**FROM** TABLE A

**RIGHT OUTER JOIN** TABLE B

**ON** (A.KEY = B.KEY);

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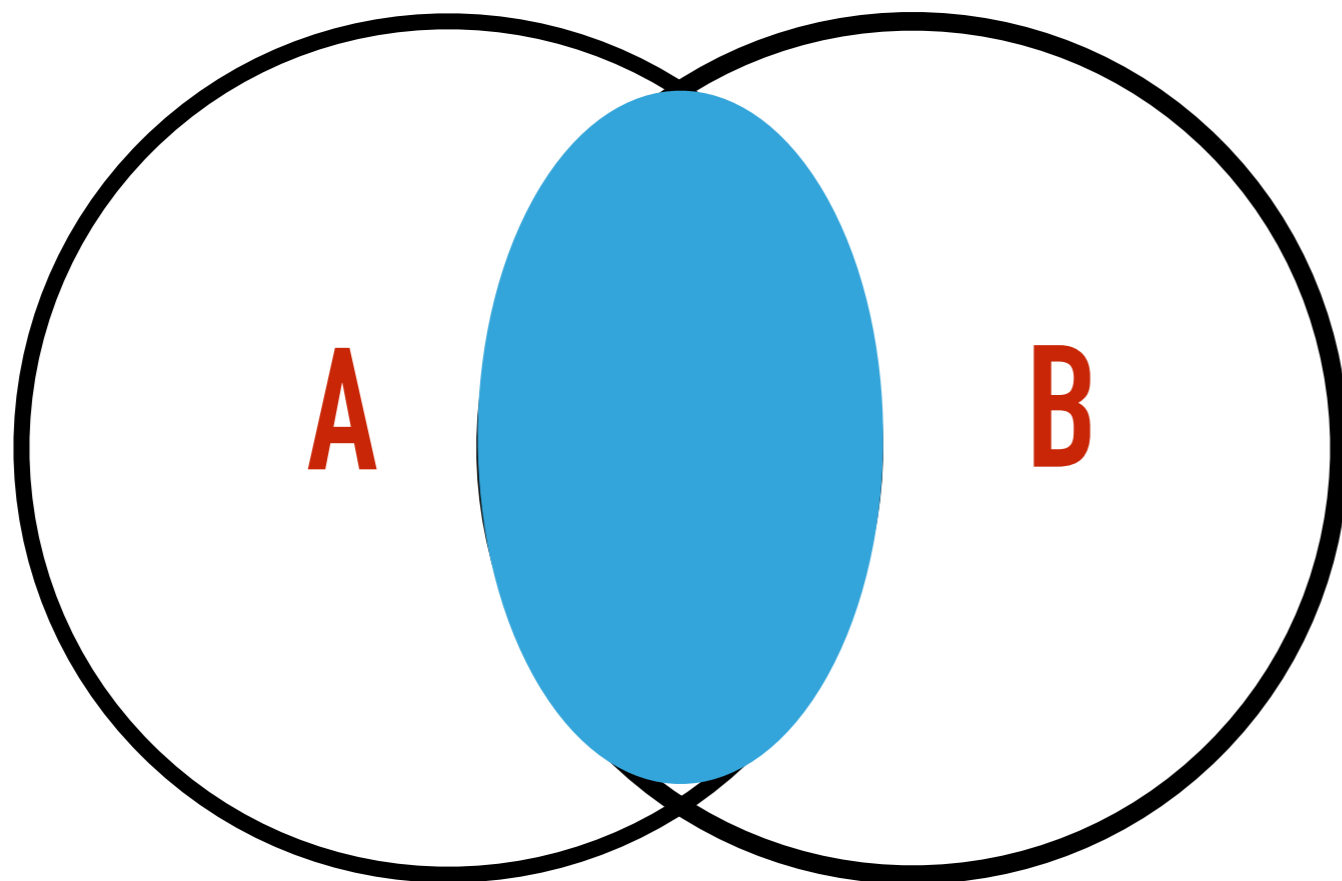
# FULL OUTER JOIN



```
SELECT <select_list>  
FROM TABLE A  
FULL OUTER JOIN TABLE B  
ON (A.KEY= B.KEY);
```

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# INNER JOIN



```
SELECT <select_list>  
FROM TABLEA A  
INNER JOIN TABLEB B  
ON (A.KEY= B.KEY);
```

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# LEFT OUTER JOIN

- ▶ Todas as regiões incluindo as regiões que não tem país.

```
tpch=> SELECT r.r_name, n.n_name  
FROM region r LEFT OUTER JOIN nation n  
ON (r.r_regionkey=n.n_regionkey);
```

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# INNER JOIN

- ▶ Para cada linha da tabela region queremos os países correspondentes

```
tpch=> SELECT r.r_name, n.n_name  
FROM region r INNER JOIN nation n  
ON (r.r_regionkey=n.n_regionkey);
```

---

# CROSS JOIN

- ▶ Para cada linha da tabela region queremos todos os as linhas da tabela nation ou vice-versa.

```
tpch=> SELECT r.r_name, n.n_name  
FROM region r CROSS JOIN nation n;
```



# EXERCÍCIOS

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# EXERCÍCIOS

1. Crie uma consulta para exibir o nome (p\_name) e o preço de varejo (p\_retailprice) e o custo de fornecimento (ps\_supplycost) dos itens de compra (part) que são disponibilizados por vários fornecedores (partsupp) em que o preço de varejo seja maior que R\$ 2097.10. **12 rows**

# EXERCÍCIOS

1.

p_name	p_retailprice	ps_supplycost
forest azure almond antique violet	2097.99	676.70
forest azure almond antique violet	2097.99	855.38
forest azure almond antique violet	2097.99	915.71
forest azure almond antique violet	2097.99	831.10
pink wheat powder burlywood snow	2097.99	630.28
pink wheat powder burlywood snow	2097.99	937.37
pink wheat powder burlywood snow	2097.99	193.43
pink wheat powder burlywood snow	2097.99	520.48
goldenrod drab brown salmon mint	2098.99	606.64
goldenrod drab brown salmon mint	2098.99	231.95
goldenrod drab brown salmon mint	2098.99	457.93
goldenrod drab brown salmon mint	2098.99	259.56

(12 rows)

# EXERCÍCIOS

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2. Exibir o status do pedido (o\_orderstatus) e o desconto (l\_discount) com data de envio entre 11 de novembro de 1998 e 31 de dezembro de 1998.

**4730 rows**

o_orderstatus	l_discount
0	0.05
0	0.07
0	0.10
0	0.04
0	0.00
0	0.08

# EXERCÍCIOS

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3. Crie uma consulta para exibir a a prioridade do pedido (`o_orderpriority`) o nome (`c_name`) e o endereço (`c_address`) do cliente (`customer`) do país `UNITED STATES` e com conta (`c_acctbal`) maior que R\$ 9990.

**122 rows**

# EXERCÍCIOS

o_orderpriority	c_name	c_address
4-NOT SPECIFIED	Customer#000119509	JBDnrAGcDrXR6qp6P1meXjQ1HYB7
1-URGENT	Customer#000121762	um60DkwV8nz6ZWL KFMSrrOfmyIEaFei QfNk56
1-URGENT	Customer#000119437	rosqLbSejLw9VzaT4jWrP0yeMpU26vrd FyHz5FV
5-LOW	Customer#000119437	rosqLbSejLw9VzaT4jWrP0yeMpU26vrd FyHz5FV

# EXERCÍCIOS

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4. Crie uma consulta para exibir o nome (c\_name) do cliente (customer) do país "UNITED STATES" e com conta (c\_acctbal) maior que R\$ 9990 e que a coluna c\_mktsegment tenha o texto 'AUTO'.

```
      c_name
-----
Customer#000015607
Customer#000119509
Customer#000148533
(3 rows)
```

# EXERCÍCIOS

5. Crie uma consulta para exibir o nome (c\_name) dos clientes e o preço total (o\_totalprice) dos clientes do BRAZIL.

(60137 rows)

c_name	o_totalprice
Customer#000148765	181479.51
Customer#000041020	79094.41
Customer#000101464	309446.18
Customer#000074294	291956.23
Customer#000021803	77266.02
Customer#000103649	291456.68