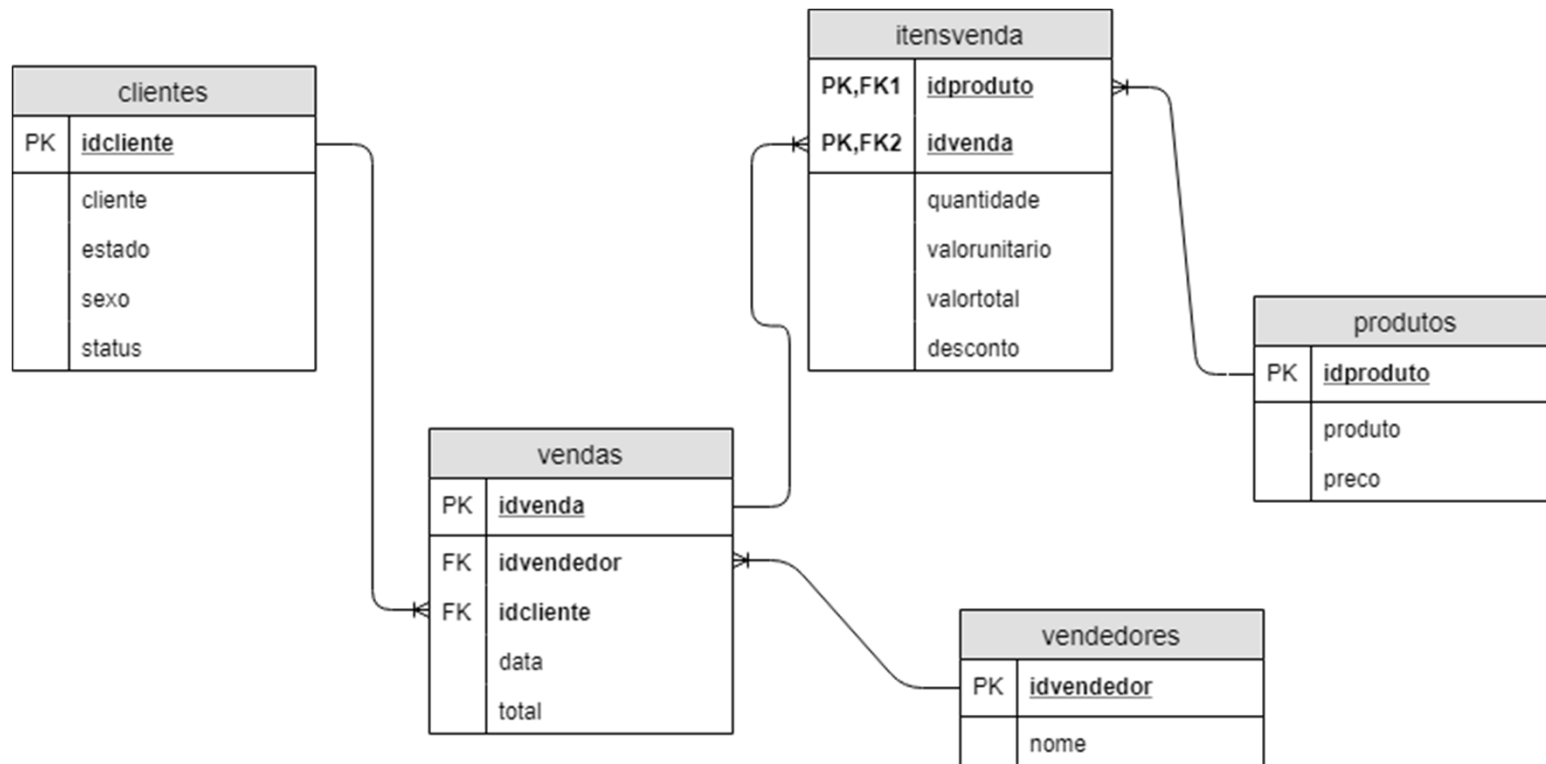
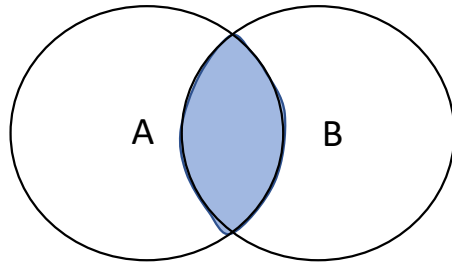


Introdução a Bancos de Dados e Linguagem SQL

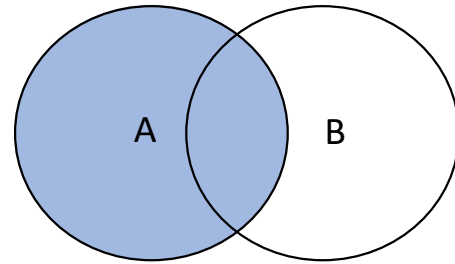
Joins: Unir Dados Através de PK e FK



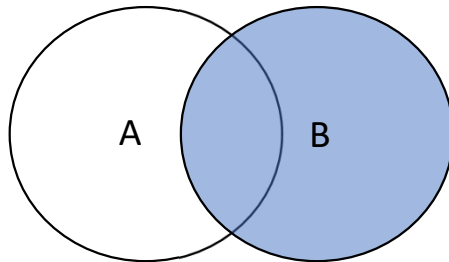
Tipos



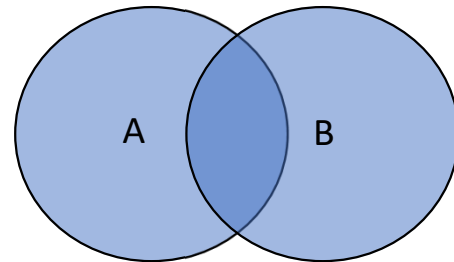
INNER JOIN



LEFT JOIN



RIGHT JOIN



FULL JOIN

INNER JOIN

A

A.ID	B.FK
1	A
2	A
3	C
4	F

B

B.ID	
A	
B	★
C	
D	★

A.ID	B.FK	B.ID
1	A	A
2	A	A
3	C	C

LEFT JOIN

A

A.ID	B.FK
1	A
2	A
3	C
4	F

B

B.ID	
A	
B	★
C	
D	★

A.ID	B.FK	B.ID
1	A	A
2	A	A
3	C	C
4	F	

RIGHT JOIN

A

A.ID	B.FK
1	A
2	A
3	C
4	F

B

B.ID	
A	
B	
C	
D	★

A.ID	B.FK	B.ID
1	A	A
2	A	A
		B
3	C	C
		D

FULL JOIN

A

A.ID	B.FK
1	A
2	A
3	C
4	F

B

B.ID	
A	
B	
C	
D	

A.ID	B.FK	B.ID
1	A	A
2	A	A
3	C	C
4	F	
		B
		D

vendas com nomes dos vendedores

```
select nome, total from vendas,  
vendedores
```

```
where vendas.idvendedor =  
vendedores.idvendedor
```

nome character varying (50)	total numeric (10,2)
Armando Lago	8053.60
Iberê Lacerda	150.40
Jéssica Castelão	6087.00
Hélio Liberato	13828.60
Napoleão Méndez	26096.66
Simão Rivero	18402.00
Simão Rivero	7524.20
Iberê Lacerda	12036.60
Jéssica Castelão	2804.75
Capitolino Bahía	8852.00
Armando Lago	16545.25
Jéssica Castelão	11411.88

INNER JOIN

```
select count(*) from vendas  
inner join vendedores  
on(vendas.idvendedor =  
vendedores.idvendedor )
```

count bigint
400

LEFT JOIN

```
select count(*) from vendas  
left join vendedores on  
( vendas.idvendedor =  
vendedores.idvendedor )
```

count bigint	
400	

RIGHT JOIN

--insere novo vendedores

```
INSERT INTO vendedores(nome) VALUES  
( 'Fernando Amaral' );
```

```
select count(*) from vendas right join  
vendedores on( vendas.idvendedor =  
vendedores.idvendedor );
```

count bigint
401

"apelidos"

```
select cliente, total from vendas v
inner join clientes c on (v.idcliente =
c.idcliente)
```

cliente character varying (50)	total numeric (10,2)
Adelina Buenaventura	8053.60
Gertrudes Hidalgo	150.40
Antão Corte-Real	6087.00
Adelina Buenaventura	13828.60
Diodete Carijó	26096.66
Cássio Bettencourt	18402.00
Gisela Bahia	7524.20
Adelino Gago	12036.60
Clóvis Pamplona	2804.75
Greice Lameirinhas	8852.00
Adélio Lisboa	16545.25
Antero Milheiro	11411.88
Elsa Alencar	15829.70