Formação Cientista de Dados

SQL

idvenda [PK] integer	idvendedor integer	idcliente integer	data date	total numeric (10,2)
1	1	1	01-01...	8053.60
3	7	31	02-01...	6087.00
4	5	1	02-01...	13828.60
5	8	120	03-01...	26096.66
6	9	74	04-01...	18402.00
7	9	191	06-01...	7524.20
8	6	2	06-01...	12036.60
10	2	202	06-01...	8852.00
11	1	3	08-01...	16545.25
12	7	32	09-01...	11411.88
13	4	136	10-01...	15829.70
14	3	249	12-01...	6154.36
17	2	79	13-01...	15829.70

OPERADORES DE COMPARAÇÃO

```
select * from vendas
where total > 6000
```

cliente character varying (50)	
Adelina Buenaventura	
Adelino Gago	
Adélio Lisboa	
Adérito Bahía	
Adolfo Patrício	
Adriana Guedelha	
Aida Dorneles	
Alarico Quinterno	
Alberto Cezimbra	
Alberto Monsanto	
Albino Canela	
Alceste Varanda	
Alcides Carvalhais	

ordenando

```
select cliente from clientes
order by cliente
```

```
select cliente from clientes
order by cliente DESC
```

```
select cliente, status from clientes
order by cliente desc, status
```

idvenda [PK] integer	idvendedor integer	idcliente integer	data date	total numeric (10,2)
3	7	31	02-01...	6087.00
7	9	191	06-01...	7524.20
14	3	249	12-01...	6154.36
22	2	74	17-01...	7652.04
30	4	218	23-01...	7128.70
37	7	192	27-01...	6510.16
44	2	185	02-02...	7524.20
46	8	58	03-02...	7296.08
54	1	185	11-02...	7753.70
60	4	136	14-02...	7901.00
63	10	191	20-02...	7820.85
67	4	191	22-02...	6678.50
73	3	89	27-02...	7038.77

BETWEEN

```
select * from vendas
where total between
6000 and 8000
```

idvenda [PK] integer	idvendedor integer	idcliente integer	data date	total numeric (10,2)
1	1	1	01-01...	8053.60
2	6	185	01-01...	150.40
3	7	31	02-01...	6087.00
4	5	1	02-01...	13828.60
5	8	120	03-01...	26096.66
6	9	74	04-01...	18402.00
7	9	191	06-01...	7524.20
8	6	2	06-01...	12036.60
9	7	91	06-01...	2804.75
10	2	202	06-01...	8852.00

Limit

```
select  * from VENDAS
limit 10
```

status
character varying (50)
Silver
Gold
Platinum

DISTINCT

```
select distinct status
from clientes
```

AGREGAÇÃO

count bigint
400

select count(*) from vendas

MIN(), MAX(), AVG(), SUM()

AGREGAÇÃO COM WHERE

count bigint
214

```
select count(*) from vendas
where total > 6000
```

idvendedor integer	count bigint
8	30
10	46
9	43
7	38
1	38
5	39
4	37
2	50
6	35
3	44

AGRUPANDO

```
select idvendedor,
count(idvendedor) from vendas
group by idvendedor
```

AGRUPANDO COM HAVING

idvendedor integer	count bigint
10	46
9	43
2	50
3	44

```
select idvendedor,
count(idvendedor) from vendas
group by idvendedor

having count(idvendedor) > 40
```

Listar Produtos cujo preço esteja entre R$ 2000 e 7000

```
SELECT * FROM PRODUTOS WHERE PRECO  between
2000 and 7000
```