**Ejercicios SQL Bootcamp Data Engineer – EDVAI**

**SELECT DISTINCT**

1)

**select** **distinct** category\_name **from** categories

2)

**select** **distinct** region **from** customers

3)

**select** **distinct** contact\_title **from** customers

**ORDER BY**

4)

**select** \* **from** customers

**order** **by** country;

5)

**select** \* **from** orders

**order** **by** employee\_id, order\_date;

**INSERT INTO**

6)

**insert** **into** customers (customer\_id, company\_name, contact\_name, contact\_title, address, city, region, postal\_code, country, phone, fax)

**values** ('LEAN', 'Xlean', 'Leandro B', 'Owner', **null**, 'CABA',**null**, 1429, 'Argentina', **null**, **null** )

7)

**insert** **into** region (region\_id, region\_description)

**values** (5, 'Central')

**NULL - COALESCE**

8)

**select** \* **from** customers

**where** region **isnull**

9)

**select** product\_name, unit\_price **from** products

**where** unit\_price **isnull**

**INNER JOIN**

10)

**select** c.company\_name, c.contact\_name, o.order\_date

**from** customers c **full** **outer** **join** orders o

**on** c.customer\_id=o.customer\_id

11)

**select** od.order\_id, p.product\_name, od.discount

**from** products p **full** **outer** **join** order\_details od

**on** od.product\_id=p.product\_id

**LEFT JOIN**

12)

**select** c.customer\_id, c.company\_name, o.order\_id, o.order\_date

**from** customers c **left** **join** orders o

**on** c.customer\_id =o.customer\_id

13)

**select**

e.employee\_id , e.last\_name , et.territory\_id , t.territory\_description

**from** employees **as** e

**join** employee\_territories **as** et **on** e.employee\_id = et.employee\_id

**left** **join** territories **as** t **on** et.territory\_id = t.territory\_id

14)

**select** o2.order\_id , c.company\_name

**from** orders o2 **left** **join** customers c

**on** o2.customer\_id =c.customer\_id

**RIGHT JOIN**

15)

**select** o2.order\_id , c.company\_name

**from** orders o2 **right** **join** customers c

**on** o2.customer\_id =c.customer\_id

16)

**select** s.company\_name ,o2.order\_date

**from** shippers s **right** **join** orders o2

**on** o2.ship\_via =s.shipper\_id

**where** o2.order\_date > '1995-12-31' **and** o2.order\_date < '1997-01-01'

**FULL OUTER JOIN**

17)

e.first\_name , e.last\_name , et.territory\_id

**from** employees **as** e

**join** employee\_territories **as** et **on** e.employee\_id = et.employee\_id

**full** **outer** **join** territories **as** t

**on** et.territory\_id = t.territory\_id

18)

**select** o.order\_id , od.unit\_price, od.quantity, (od.unit\_price \* od.quantity) **as** total

**from** orders o **full** **outer** **join** order\_details od

**on** o.order\_id = od.order\_id

**UNION**

19)

**select** c.company\_name

**from** customers c

**union**

**select** s.company\_name

**from** suppliers s

20)

**select** e.first\_name

**from** employees e

**SUBQUERIES**

21)

**select** p.product\_name , p.product\_id

**from** products p

**where** p.product\_id = (**select** product\_id **from** order\_details)

22)

**select** company\_name

**from** customers

**where** customer\_id **in** (**select** customer\_id **from** orders **where** ship\_country='Argentina')

23)

**select** product\_name

**from** products **where** product\_id **NOT** **IN** (

**select** product\_id from order\_details **where** Order\_id **IN** (

**select** order\_id **from** orders **where** Customer\_id **IN** (

**select** customer\_id from customers **where** country = 'France')))

**GROUP BY**

24)

**select** order\_id , **SUM**(quantity) **as** total\_quantity

**from** order\_details

**group** **by** order\_id

25)

**select** p.product\_name, **AVG**(p.units\_in\_stock) **as** AVG\_prod

**from** products p

**group** **by** p.product\_name

**HAVING**

26)

**select** p.product\_name, p.units\_in\_stock

**from** products p

**group** **by** p.product\_name, p.units\_in\_stock

**having** p.units\_in\_stock > 100

27)

**select** c.company\_name, **avg**(o.order\_id) **as** avg\_o

**from** orders o **left** **join** customers c

**on** o.customer\_id = c.customer\_id

**group** **by** c.company\_name

**having** **avg**(o.order\_id) >10

**CASE**

28)

**Select** product\_name ,

**case**

**when** discontinued = '1' **then** 'Discontinued'

**else** category\_name

**end** **as** category\_name

**from** products

**inner** **join** categories **on** products.category\_id = categories.category\_id

**29) “Se que esta mal, pero no logro darme cuenta del error”**

**select** first\_name , last\_name, title

**case**

**when** title = 'Sales Manager' **then** 'Gerente de Ventas'

**else** title

**end** **as** title

**from** employees