**PRÁCTICA**

**B.**

1. CÁLCULO

**{**x**:**world**|:**x**}**

ÁLGEBRA

world

**SQL**

**SELECT** **\*** **FROM** world

2. CÁLCULO

**{**x**:**world **|:** x**.**continent**}**

ÁLGEBRA

Πcontinent world

**SQL**

**SELECT** **DISTINCT(**continent**)** **FROM** world

3. CÁLCULO

**{**y**:**world **|** y**.**area **>** 500 **:** y**.**name**}**

ÁLGEBRA

Πname**(**σarea **>** 500 world**)**

**SQL**

**SELECT** name

**FROM** world

**WHERE** area **>** 500 **ORDER** **BY** area **DESC**

4. CÁLCULO

**{**x**:**world **|** x**.**population **>** 1000000 **:** x**.**continent**}**

ÁLGEBRA

Πcontinent**(**σpopulation **>** 1000000 world**)**

**SQL**

**SELECT** **DISTINCT(**continent**)**

**FROM** world

**WHERE** population **>** 1000000 **ORDER** **BY** population **ASC**

5. CÁLCULO

**{**x**:**world **|:** x**.**continent**,(+** y**:**world **|** y**.**continent **=** x**.**continent **:** y**.**area**)}**

**SQL**

**SELECT** continent**,** **SUM(**area**)**

**FROM** world **GROUP** **BY** continent

6. CÁLCULO

**(+** x**:**world **|:** x**.**population**)**

**SQL**

**SELECT** **SUM(**population**)** **FROM** world

7. CÁLCULO

**(+** x**:**world **|** x**.**name **:** 1**)**

**SQL**

**SELECT** **COUNT(**name**)** **FROM** world

**C.**

0 SELECT basics

1. **SELECT** population **FROM** world

**WHERE** name **=** 'Germany'

2. **SELECT** name**,** population **FROM** world

**WHERE** name **IN** **(**'Sweden'**,** 'Norway'**,** 'Denmark'**);**

3. **SELECT** name**,** area **FROM** world

**WHERE** area **BETWEEN** 200000 **AND** 250000

1 SELECT name

1.**SELECT** name **FROM** world

**WHERE** name **LIKE** 'Y%'

2.**SELECT** name **FROM** world

**WHERE** name **LIKE** '%y'

3.**SELECT** name **FROM** world

**WHERE** name **LIKE** '%x%'

4.**SELECT** name **FROM** world

**WHERE** name **LIKE** '%land'

5.**SELECT** name **FROM** world

**WHERE** name **LIKE** 'C%ia'

6.**SELECT** name **FROM** world

**WHERE** name **LIKE** '%oo%'

7.**SELECT** name **FROM** world

**WHERE** name **LIKE** '%a%a%a%'

8.**SELECT** name **FROM** world

**WHERE** name **LIKE** '\_t%'

**ORDER** **BY** name

9.**SELECT** name **FROM** world

**WHERE** name **LIKE** '%o\_\_o%'

10.**SELECT** name **FROM** world

**WHERE** name **LIKE** '\_\_\_\_'

11.**SELECT** name

**FROM** world

**WHERE** name **=** capital

12.**SELECT** name

**FROM** world

**WHERE** capital **LIKE** '%city'

13.**SELECT** capital**,** name **FROM** world

**WHERE** capital **LIKE** **CONCAT(CONCAT(**'%'**,**name**),**'%'**)**

14.**SELECT** capital**,** name **FROM** world

**WHERE** capital **LIKE** **CONCAT(CONCAT(CONCAT(**'%'**,**name**),**'%'**),**'\_%'**)**

15.**SELECT** name**,** **REPLACE(**capital**,** name**,** ''**)** **AS** extension

**FROM** world

**WHERE** capital **LIKE** **CONCAT(CONCAT(CONCAT(**'%'**,**name**),**'%'**),**'\_%'**)**

2 SELECT from World

1.**SELECT** name**,** continent**,** population

**FROM** world

2.**SELECT** name **FROM** world

**WHERE** population **>=** 200000000

3.**SELECT** name**,** gdp**/**population

**FROM** world

**WHERE** population **>=** 200000000

4.**SELECT** name**,** population**/**1000000

**FROM** world

**WHERE** continent **=** 'South America'

5.**SELECT** name**,** population

**FROM** world

**WHERE** name **IN** **(**'France'**,** 'Germany'**,** 'Italy'**);**

6.**SELECT** name

**FROM** world

**WHERE** name **LIKE** '%united%'