**SQL – IN CLASS - LAB EXERCISE – 02**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Country\_id | Name | Region\_id | Population | revenue |
| AR | Argentina | 2 | 10000 | 10000000.00 |
| NL | Netherlands | 1 | 15000 | 10000000.00 |
| AU | Australia | 3 | 12000 | 800000.00 |
| BE | Belgium | 1 | 23000 | 3000000.00 |
| BR | Brazil | 2 | 11300 | 2000000.00 |
| CA | Canada | 2 | 16500 | 4600000.00 |
| CH | Switzerland | 1 | 30000 | 2100000.00 |
| CN | China | 3 | 40000 | 1300000.00 |
| DE | Germany | 1 | 35000 | 1200000.00 |

1. **Write a query to display the country name from the COUNTRY table. The length of the country name should be greater than 8 characters.**

ANSWER:

SELECT name from country where LENGTH(name) >8 ;

1. **Write a query to display the revenue from country table with no decimals.**

ANSWER:

select round(revenue) from country ;

1. **Write a query to convert all the letter’s of country name’s to uppercase from country table.**

ANSWER:

Select UPPER(name) from country ;

1. **Write a query in SQL to display the country\_id,name,region\_id and revenue for all the**

**countries whose country name last second word is 'd'.**

ANSWER:

select country\_id,name,region\_id,revenue FROM country where

name like '%d\_';

5.**Write a query in SQL to display the country\_id,name and revenue**

**of the 2nd and 3rd highest revenue earned countries from**

**country table.**

ANSWER:

select country\_id,name,region\_id,revenue from country order by

revenue desc limit 1,2;

**6.Write a query in SQL to display number of regions in each**

**country, sorted high to low.[output:number of regions,name].**

ANSWER:

SELECT COUNT(region\_id), name

FROM country

GROUP BY name

ORDER BY COUNT(region\_id) DESC;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| productID | productCode | name | quantity | price |
| 1001 | PEN | Pen Red | 5000 | 1.23 |
| 1002 | PEN | Pen Blue | 8000 | 1.25 |
| 1003 | PEN | Pen Black | 2000 | 1.25 |
| 1004 | PEC | Pencil 2B | 10000 | 0.48 |
| 1005 | PEC | Pencil 2H | 8000 | 0.49 |

**7. Write a query in SQL to display the name and price from**

**product Table whose "name" begins with 'PENCIL'.**

ANSWER:

SELECT name, price FROM products WHERE name LIKE 'PENCIL%';

**8. Write a query in SQL to display the name and price from product**

**Table whose "name" begins with 'P', followed by any two**

**characters followed by space, followed by zero or more characters.**

ANSWER:

SELECT name, price FROM products WHERE name LIKE 'P\_\_ %';

9.**Write a query in SQL to display all records from product**

**table whose 'price' ranges from 1.0 to 2.0 and 'quantity'**

**ranges from 1000 to 2000.**

ANSWER:

SELECT \* FROM products WHERE (price BETWEEN 1.0 AND 2.0) AND (quantity BETWEEN 1000 AND 2000);

10. **Write a query to display the price and product description**

**which is combination of (productcode,name) from product**

**table. Ensure the productcode and name are separated by ‘ - ‘**

ANSWER:

SELECT CONCAT(productCode, ' - ', name) AS `Product Description`, price FROM products;

11. **Write a query to get the difference between the highest and**

**lowest price from product table.**

ANSWER:

SELECT MAX(price) - MIN(price) DIFFERENCE FROM products;