**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.**

**Ans1: select name from country**

**Where len(name)>8;**

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

**Ans2: select floor(revenue)from country;**

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

**Ans3: 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'.**

**Ans4: 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.**

**Ans5: select \* from country**

**Order by revenue desc**

**Limit 1,3;**

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

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

**Ans6: select \* from country**

**Order by 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'.**

**Ans7: select name,price from product**

**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.**

**Ans8: select name,price from product**

**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.**

**Ans9: select \* from product where price between (1.0,2.0) and quantity between (1000,2000;**

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 ‘ - ‘.**

**Ans10: Select price, concat(productcode,‘ - ’,name) from product;**

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

**lowest price from product table.**

**Ans11: select max(price)-min(price) from product;**