**Graded PR 3-1. SQL programming task**

1. **SCRIPT**
2. **with** Argentina\_cal **as**
3. (**select** **name**,
4. -- Argentina\_APC
5. (**select** SurfaceArea / Population **from** country c **where** Population **is** **not** **null** **and** Population <> 0 **and** **name** = **'Argentina'**) **as** **"Argentina\_APC"**,
6. --Argentina\_APC%
7. (**select** SurfaceArea/Population \* 100 / (**select** **max**(SurfaceArea / Population) **from** country c **where** Population **is** **not** **null** **and** Population <> 0 **and** SurfaceArea **is** **not** **null**)
8. **from** country c **where** **name** = **'Argentina'** **and** Population <> 0 **and** Population **is** **not** **null**) **as** **"Argentina\_APC%"**,
9. --"Argentina\_GNP%"
10. (**select** gnp \* 100 / (**select** **max**(gnp) **from** country c **where** gnp **is** **not** **null** **and** gnp <> 0 ) **from** country c **where** **name** = **'Argentina'**) **as** **"Argentina\_GNP%"**
11. **from** country c
12. **limit** 1),
13. All\_country\_without\_C **as**
14. (
15. **select** **name**,
16. -- APC
17. SurfaceArea / Population **as** **"APC"**,
18. --APC%
19. SurfaceArea/Population \* 100 / (**select** **max**(SurfaceArea / Population) **from** country c **where** Population **is** **not** **null** **and** Population <> 0 **and** SurfaceArea **is** **not** **null**) **as** **"APC%"**,
20. --"GNP%"
21. gnp \* 100 / (**select** **max**(gnp) **from** country c **where** gnp **is** **not** **null** **and** gnp <> 0 ) **as** **"GNP%"**,
22. -- GNP\_Argentina% + APC\_Argentina%
23. ((**select** gnp \* 100 / (**select** **max**(gnp) **from** country c **where** gnp **is** **not** **null** **and** gnp <> 0 ) **from** country c **where** **name** = **'Argentina'**)
24. + (**select** SurfaceArea/Population \* 100 / (**select** **max**(SurfaceArea / Population) **from** country c **where** Population **is** **not** **null** **and** Population <> 0 **and** SurfaceArea **is** **not** **null**)
25. **from** country c **where** **name** = **'Argentina'** **and** Population <> 0 **and** Population **is** **not** **null**)) **as** **"GNP\_Argentina% + APC\_Argentina%"**
26. **from** country c
27. **where** Population **is** **not** **null** **and** Population <> 0
28. ),
29. c\_metric **as**
30. (
31. **select** c.**name**,
32. **abs**(( (al.**"APC%"**) + (al.**"GNP%"**) ) - al.**"GNP\_Argentina% + APC\_Argentina%"**) **as** **"C"**
33. **from** country c
34. **left** **join** Argentina\_cal cl
35. **on** c.**name** = cl.**name**
36. **left** **join** All\_country\_without\_C al
37. **on** c.**name** = al.**name**
38. )

41. **select** **name** **from** c\_metric
42. **where** **"C"** >= (**select** **"C"** **from** c\_metric **where** **name** = **'Argentina'**) **and** **name** <> **'Argentina'**
43. **order** **by** **"C"**
44. **limit** 10;

**2. PHOTO OF RESULT**

