Ejercicios 2 evaluación

E**jercicio 1 ¿Los meses con más de un nacimiento (mostrar su número), de las personas que han nacido en el siglo XXI?**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) monthname(`birthdate`) as x, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `person` WHERE [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`) > 2000 GROUP BY x HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) > 1 ORDER BY 1 ASC

E**jercicio 2 ¿Los municipios dónde, estudian más de un alumno en el curso actual).**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.municipalityName as municipio, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as cuenta FROM `municipality` m, person p, student s, postalcode c, postalcode\_municipality d, school\_year y WHERE s.idStudent = p.idPersona [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.postalCode = c.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) c.postalCode = d.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) d.idMunicipality = m.`municipalityId`[AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) s.idSchoolYear = y.idSchoolYear [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) y.legend = "2020/2021" GROUP BY municipio HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >1 ORDER BY 2 desc,1

**Ejercicio 1 Examen Muestra el total de municipios de las provincias de Extremadura**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) p.ProvinceName as provincia, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.municipalityName) as total FROM `autonomous\_community`a, province p, municipality m WHERE a.`autonomousCommunityId` = p.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.ProvinceCode = m.provinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) a.`autonomousCommunityName` = "Andalucia" GROUP BY provincia ORDER BY 2 DESC

E**jercicio 3. Lista los municipios con su total de personas.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.municipalityName as municipio, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.municipalityName) as total FROM `person` p, postalCode pc, postalcode\_municipality pm, municipality m WHERE p.`postalCode` = pc.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pc.postalCode = pm.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pm.idMunicipality = m.municipalityId GROUP BY municipio ORDER BY 2 desc, 1

E**jercicio 4. ¿Las comunidades autónomas con una única provincia?**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) c.`autonomousCommunityName` comunidad FROM `autonomous\_community` c, province p WHERE c.`autonomousCommunityId` = p.autonomousCommunityId GROUP BY comunidad HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(p.ProvinceName) = 1

E**jercicio 5. ¿Las provincias con un total de municipio superior a la media?**

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-view.html) [VIEW](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/create-view.html) totalmunicipioporprovincia as ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) p.ProvinceName,[count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as total FROM `municipality` m, province p WHERE m.`provinceCode` = p.ProvinceCode GROUP BY p.ProvinceName);

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `ProvinceName`,`total` FROM `totalmunicipioporprovincia` HAVING `total` > ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [avg](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_avg)(`total`) FROM `totalmunicipioporprovincia`)

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[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) p.ProvinceName,[count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as total FROM `municipality` m, province p WHERE m.`provinceCode` = p.ProvinceCode GROUP BY p.ProvinceName HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) > ([select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [avg](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_avg)(total) from ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as total FROM `municipality` m, province p WHERE m.`provinceCode` = p.ProvinceCode GROUP BY p.ProvinceName) as t1) ORDER BY 1

**Ejercicio 6. ¿Los municipios con menor número de estudiantes?**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.municipalityName as municipio, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.municipalityName) as total FROM `person` p, postalCode pc, postalcode\_municipality pm, municipality m WHERE p.`postalCode` = pc.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pc.postalCode = pm.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pm.idMunicipality = m.municipalityId GROUP BY municipio HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.municipalityName) <= all ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.municipalityName) FROM `person` p, postalCode pc, postalcode\_municipality pm, municipality m WHERE p.`postalCode` = pc.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pc.postalCode = pm.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pm.idMunicipality = m.municipalityId GROUP BY m.municipalityName) ORDER BY 2 desc, 1

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[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.municipalityName FROM `person` p, postalCode pc, postalcode\_municipality pm, municipality m WHERE p.`postalCode` = pc.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pc.postalCode = pm.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pm.idMunicipality = m.municipalityId GROUP BY m.municipalityName HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) = ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [min](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_min)(total) FROM ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.municipalityName) as total FROM `person` p, postalCode pc, postalcode\_municipality pm, municipality m WHERE p.`postalCode` = pc.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pc.postalCode = pm.postalCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pm.idMunicipality = m.municipalityId GROUP BY m.municipalityName) as t1) ORDER BY 1

**Ejercicio 7. La comunidad con mayor número de provincias.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) c.`autonomousCommunityName` FROM `autonomous\_community` c, province p WHERE c.`autonomousCommunityId` = p.autonomousCommunityId GROUP BY c.`autonomousCommunityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `autonomous\_community` c, province p WHERE c.`autonomousCommunityId` = p.autonomousCommunityId GROUP BY c.`autonomousCommunityName`)

**Ejercicio 8. La comunidad con mayor nº de municipios.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) c.`autonomousCommunityName` FROM `autonomous\_community` c, province p, municipality m WHERE c.`autonomousCommunityId` = p.autonomousCommunityId [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode GROUP BY c.`autonomousCommunityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) = ([Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_max)(total) FROM ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as total FROM `autonomous\_community` c, province p, municipality m WHERE c.`autonomousCommunityId` = p.autonomousCommunityId [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode GROUP BY c.`autonomousCommunityName`) as t1)

Ejercicio 8.2 Los municipios de Galicia

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) concat(m.municipalityName, "-->", p.ProvinceName) FROM `autonomous\_community` c, province p, municipality m WHERE c.`autonomousCommunityId` = p.autonomousCommunityId [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) `autonomousCommunityName` = "Galicia" order BY 1

**Ejercicio 9. Los nombres de los municipios que se repiten.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.`municipalityName`, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `municipality` m, province p, autonomous\_community a WHERE m.`provinceCode` = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) a.autonomousCommunityName = "Extremadura" GROUP BY m.`municipalityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) > 1

**Ejercicio 10. El municipio que más veces se repite a lo largo del territorio nacional**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) municipalityName, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `municipality` GROUP BY `municipalityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) = ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [max](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_max)(cuenta) FROM ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as cuenta FROM `municipality` GROUP BY `municipalityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) > 1) as t1)

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[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) municipalityName, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `municipality` GROUP BY `municipalityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) as cuenta FROM `municipality` GROUP BY `municipalityName` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) > 1)

**Ejercicio 11. El año en el que más personas han nacido**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`), [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM person GROUP BY [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`) HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM person GROUP BY [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(`birthdate`))

**Ejercicio 12. El mes del año en el que más personas han nacido**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) monthName(`birthdate`), [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM person GROUP BY month(`birthdate`) HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM person GROUP BY month(`birthdate`))

**Ejercicio 13. El día de la semana en el que más personas han nacido**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) dayname(`birthdate`), [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM person GROUP BY dayname(`birthdate`) HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM person GROUP BY dayname(`birthdate`));

**Ejercicio 14. El dominio de email más utilizado por persona**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) mid(`email`,locate("@",email)+1) as dominio, [RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-functions.html#function_right)(email,char\_length(email) -locate("@",email)) as dominio2 FROM `person` GROUP BY dominio HAVING [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([Select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `person` GROUP BY mid(`email`,locate("@",email)+1))

**Ejercicio 15. El municipio con mayor número de códigos postales**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.`municipalityName`, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `municipality` m, postalcode\_municipality p WHERE m.`municipalityId` = p.idMunicipality GROUP BY m.`municipalityId` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `municipality` m, postalcode\_municipality p WHERE m.`municipalityId` = p.idMunicipality GROUP BY m.`municipalityId`)

**Ejercicio 16. Los códigos postales con más de un municipio en Andalucía**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) pm.`postalCode`, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `postalcode\_municipality`pm, municipality m, province p, autonomous\_community a WHERE pm.`idMunicipality` = m.municipalityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) a.autonomousCommunityName = "Extremadura" GROUP BY pm.`postalCode` HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) > 1

**Ejercicio 16.b. Los municipios con un mismo código postal**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.municipalityName FROM `postalcode\_municipality`pm, municipality m, province p, autonomous\_community a WHERE pm.`idMunicipality` = m.municipalityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) a.autonomousCommunityName = "Extremadura" [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) pm.`postalCode` = "06196"

**Ejercicio 17. El municipio con más códigos postales de Extremadura.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.municipalityName FROM `postalcode\_municipality`pm, municipality m, province p, autonomous\_community a WHERE pm.`idMunicipality` = m.municipalityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) a.autonomousCommunityName = "Extremadura" GROUP BY m.municipalityId HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `postalcode\_municipality`pm, municipality m, province p, autonomous\_community a WHERE pm.`idMunicipality` = m.municipalityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) a.autonomousCommunityName = "Extremadura" GROUP BY m.municipalityId )

**Ejercicio 18. La comunidad donde más utiliza la palabra “Villa” en el nombre del municipio.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) a.autonomousCommunityName, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM municipality m, province p, autonomous\_community a WHERE m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.municipalityName [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "%villa%" GROUP BY a.autonomousCommunityId HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM municipality m, province p, autonomous\_community a WHERE m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.municipalityName [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) "%villa%" GROUP BY a.autonomousCommunityId)

**Ejercicio 19. La provincia con menor número de códigos postales**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) p.ProvinceName, [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `postalcode\_municipality`pm, municipality m, province p, autonomous\_community a WHERE pm.`idMunicipality` = m.municipalityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId GROUP BY p.ProvinceCode HAVING [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) <= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `postalcode\_municipality`pm, municipality m, province p, autonomous\_community a WHERE pm.`idMunicipality` = m.municipalityId [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.provinceCode = p.ProvinceCode [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) p.autonomousCommunityId = a.autonomousCommunityId GROUP BY p.ProvinceCode)

**Ejercicio 20. El municipio con el nombre más largo.**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) m.`municipalityName` FROM `municipality` m WHERE char\_length(`municipalityName`) >= ALL ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) char\_length(`municipalityName`) FROM `municipality` m) ORDER BY `municipalityName` ASC

**Ejercicio 21. ¿Cuántos alumnos hay por encima de la media de edad?**

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [count](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM `student` s, person p WHERE s.`idStudent` = p.idPersona [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(now()) - [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(p.`birthdate`) >= ( [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) ceil( [avg](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_avg)([year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(now()) - [year](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(p.`birthdate`))) FROM `student` s, person p WHERE s.`idStudent` = p.idPersona)

**Ejercicio 22. En que estación del año nacieron más personas.**

**21-12 al 20-3 invierno**

**21-3 al 21-06 primavera**

**22-06 al 21-9 verano**

**22-9 al 20-12 otoño**

**Ejercicio 23. Obtener el boletín de notas.**