I.E.S. “Arroyo Harnina” Almendralejo 1 de diciembre 2020

Ciclo de Grado Superior: Desarrollo de Aplicaciones Multiplataforma

Módulo: Bases de Datos

1. ¿Cuántos municipios hay en Cáceres, cuántos en Badajoz y cuántos en Extremadura?

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) "Cáceres", [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 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.ProvinceName = "Cáceres"

UNION ALL

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) "Badajoz", [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 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.ProvinceName = "Badajoz"

UNION ALL

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) "Extremadura", [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";

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[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) "Cáceres", ([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 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.ProvinceName = "Cáceres") as totalCaceres,

"Badajoz", ([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 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.ProvinceName = "Badajoz") as totalBadajoz,

"Extremadura", ([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) a.autonomousCommunityName = "Extremadura") as totalExtremadura;

1. Indica si en Extremadura existen municipios con el mismo nombre

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [if](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/control-flow-functions.html#function_if)([COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(m.`municipalityName`) > [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(DISTINCT m.`municipalityName`), "True", "False") as "Municipios repetidos" 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"

1. ¿Cuántos alumnos de Aceuchal hay matriculados en primero, del curso actual en nuestro ciclo DAM?

[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)(`municipalityName`) as totalAceuchal FROM `municipality` m, person p, student s, postalcode c, postalcode\_municipality d, school\_year y, grade g 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) s.nivel\_actual\_curso = g.idGrade [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) m.`municipalityName` = "Aceuchal" [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) g.gradeName = "Primero" [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";