Consultes SQL Complexes

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DAM1

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1.1

SELECT nom FROM articles;

1.2

SELECT nom, preu FROM articles;

1.3

SELECT nom, preu FROM articles WHERE preu<=200;

1.4

SELECT (*) FROM articles WHERE preu BETWEEN 60 AND 120;

1.5

SELECT preu FROM articles WHERE preu * 166,386;

1.6

SELECT AVG preu FROM articles;

1.7

SELECT AVG preu FROM articles INNER JOIN fabricants ON fabricfants.codi = articles.codi WHERE fabricant.codi = 2;

1.8

SELECT COUNT (*) FROM articles WHERE preu >= 180;

1.9

SELECT preu, nom FROM articles WHERE preu >= 180 ORDER BY DESC AND nom ORDER BY ASC;

1.10

SELECT fabricants* , articles.* FROM fabricants FULL JOIN ON fabricfants.codi = articles.codi;

1.11

SELECT fabricant.nom, article.nom, article.preu FROM fabricants INNER JOIN articles ON fabricants.codi = articles.codi;

1.12

SELECT AVG articles.preu AS mitjana_preu, fabricants.codi FROM fabricants INNER JOIN supermercat ON fabricants.codi = supermercat.fabricant GROUP BY fabricant.codi;

1.13

SELECT AVG articles.preu AS mitjana_preu, fabricants.nom FROM fabricants INNER JOIN supermercat ON fabricants.codi = supermercat.fabricant GROUP BY fabricant.nom;

1.14

SELECT AVG articles.preu AS mitjana_preu, fabricants.nom FROM fabricants INNER JOIN supermercat ON fabricants.codi = supermercat.fabricant

WHERE mitjana_preu>=150 GROUP BY fabricant.nom;

1.15

SELECT MIN articles.preu AS minim_preu, articles.nom FROM fabricants INNER JOIN supermercat ON fabricants.codi = supermercat.fabricant;

1.16

SELECT MAX articles.preu AS maxim_preu, articles.nom, articles.fabricant

FROM fabricants INNER JOIN supermercat ON fabricants.codi = supermercat.fabricant ORDER BY articles.fabricant;

1.19

SELECT (articles.preu * 0.10) AS descompte, articles.nom FROM articles ORDER BY articles.nom, descompte;

1.20

SELECT (articles.preu - 10) AS descompte, articles.nom FROM articles WHERE (articles.preu>=120) ORDER BY articles.nom, descompte;

2.1

SELECT cognoms FROM empleats ORDER BY cognoms;

2.2

SELECT DISTINCT cognoms FROM empleats ORDER BY cognoms;

2.3

SELECT * FROM empleats WHERE cognoms LIKE "Lopez";

2.4

SELECT * FROM empleats WHERE (cognoms LIKE "Lopez") OR (cognoms LIKE "Perez");

2.5

SELECT * FROM empleats WHERE empleats.departament LIKE "14";

2.6

SELECT * FROM empleats WHERE (empleats.departament LIKE "37") OR (empleats.departament LIKE "77");

2.7

SELECT * FROM empleats WHERE cognoms LIKE "P%"

2.8

SELECT SUM(pressupost) AS TotalPressupost FROM departaments;

2.9

SELECT COUNT(empleats.nom) AS Total_Empleats, departament.nom FROM empleats INNER JOIN departaments ON empleats.codi = departaments.codi GROUP BY departament.nom;

2.10

SELECT departaments.(*), empleats.(*) FROM departaments FULL JOIN empleats ON empleats.codi = departaments.codi;

2.11

SELECT empleats.nom, empleats.cognom, departament.nom, departament.pressupost FROM empleats INNER JOIN departaments ON empleats.codi = departaments.codi;

2.12

SELECT empleats.nom, empleats.cognom FROM empleats INNER JOIN departaments ON empleats.codi = departaments.codi WHERE departaments.pressupost>60000;

2.13

SELECT (*) FROM departaments WHERE AVG departaments.pressupost < (SELECT departaments.pressupost FROM departament);

2.14

SELECT departaments.nom FROM departaments INNER JOIN empleats ON empleats.codi = departaments.codi WHERE 2 < (SELECT empleats.DNI FROM empleats);

2.16

SELECT (departaments.pressupost * 0.10) AS pressupost_net, departaments.nom FROM departaments;

2.18

DELETE FROM empleats WHERE departaments.codi LIKE "14";

2.20

DELETE FROM empleats;

3.1

SELECT magatzem.lloc FROM magatzem;

3.2

SELECT caixes.numreferencia FROM caixes WHERE valor > 150;

3.4

SELECT AVG caixes.valor AS valor_mitja FROM caixes ;

3.5

SELECT AVG caixes.valor AS valor_mitja FROM caixes

INNER JOIN magatzem ON magatzem.codi = caixes.magatzem ORDER BY magatzem.lloc;

3.6

SELECT magatzem.codi FROM magatzem INNER JOIN caixes ON magatzem.codi = caixes.magatzem WHERE 150 < (SELECT AVG caixes.preu);

3.7

SELECT caixes.numreferencia, magatzem.lloc FROM caixes INNER JOIN magatzem ON magatzem.codi = caixes.magatzem;

3.8

SELECT COUNT caixes.numreferencia AS caixes_totals FROM caixes;

3.9

SELECT magatzem.codi WHERE magatzem.capacitat > (SELECT COUNT caixes.numreferencia);

3.13

SELECT (caixes.valor * 0.15) AS valor_caixes FROM caixes;

3.14

SELECT (caixes.valor * 0.20) AS valor_caixes FROM caixes WHERE caixes.valor > (SELECT AVG caixes.valor);

3.15

DELETE FROM caixes WHERE caixes.valor < 100;

3.17

SELECT caixes.numreferencia FROM caixes INNER JOIN magatzem ON magatzem.codi = caixes.magatzem WHERE magatzem.lloc LIKE "Bilbao";

4.1

SELECT pelicules.nom FROM pelicules;

4.2

SELECT pelicules.qualificacio FROM pelicules ORDER BY pelicules.qualificacio;

4.3

SELECT pelicules.nom FROM pelicules WHERE pelicules.qualificacio IS NULL;

4.4

SELECT sales.nom FROM sales WHERE pelicules.pelicula IS NULL;

4.5

SELECT pelicules.*, sales.* FROM pelicules INNER JOIN sales ON sales.pelicula = pelicules.codi WHERE sales.pelicula IS NULL;

4.6

SELECT pelicules.*, sales.* FROM pelicules INNER JOIN sales ON sales.pelicula = pelicules.codi WHERE sales.pelicula IS NULL;

4.7

SELECT pelicules.nom FROM pelicules WHERE pelicules.pelicula IS NULL;

5.1

SELECT DNI, nom, cognoms FROM directors;

5.2

SELECT DNI, nomapels, despatx FROM directors WHERE DNIcap IS NULL;

5.3

SELECT directors.nomapels, despatxos.capacitat FROM directors INNER JOIN despatxos ON directors.despatx = despatxos.nombre;

5.4

SELECT COUNT directors.DNI AS num_directors, directors.despatx FROM directors ORDER BY directors.despatx;

5.6

SELECT (*) FROM directors WHERE DNIcap IS NULL;

5.7

SELECT COUNT directors.despatx FROM directors

INNER JOIN despatxos ON directors.despatx = despatxos.nombre

WHERE (SELECT despatxos.capacitat FROM despatxos) < (SELECT COUNT directors.DNI FROM directors);

5.10

DELETE FROM directors WHERE DNIcap IS NULL;

6.1

SELECT peces.nom FROM peces;

6.2

SELECT * FROM proveidors;

6.3

SELECT AVG subministra.preu FROM subministra;

6.4

SELECT peces.nom FROM peces INNER JOIN subministra ON peces.codi = subministra.Idproveidor WHERE (SELECT subministra.Idproveidor FROM subministra LIKE "HAL");

6.5

SELECT proveidors.nom,peces.nom INNER JOIN subministra ON proveidors.ID = subministra.Idproveidor INNER JOIN peces ON subministra.Idproveidor = peces.codi

WHERE (SELECT MAX subministra.preu);

7.1

SELECT cientifics.*, projecte.ID, projecte.Nom

FROM cientifics INNER JOIN asignado_a ON cientifics.DNI = asignado_a.cientific INNER JOIN projecte ON asignado_a.projecte = projecte.ID;

7.2

SELECT cientifics.*, COUNT asignado_a.projecte AS nprojectes FROM cientifics INNER JOIN asignado_a ON cientifics.DNI = asignado_a.cientific ORDER BY cientific.DNI;

7.3

SELECT COUNT cientifics.DNI, projecte.ID, projecte.Nom

FROM cientifics INNER JOIN asignado_a ON cientifics.DNI = asignado_a.cientific INNER JOIN projecte ON asignado_a.projecte = projecte.ID ORDER BY asignado_a.projecte;

7.4

SELECT projecte.hores FROM projecte

INNER JOIN asignado_a ON projecte.ID = asignado_a.projecte ORDER BY asignado_a.cientific;

7.5

SELECT cientifics.Nom, cientifics.DNI FROM cientifics INNER JOIN asignado_a ON cientifics.DNI = asignado_a.cientific INNER JOIN projecte ON asignado_a.projecte = projecte.ID

WHERE ((SELECT COUNT asignado_a.projecte FROM asignado_a) > 1) AND ((SELECT AVG projecte.hores FROM projecte) > 80) ORDER BY cientifics.nom;

8.1

SELECT COUNT Producte FROM venda GROUP BY Producte ORDER BY ASC;

8.2

SELECT COUNT venda.Producte AS venda.vendes, caixer.NomCog, productes.nom, productes.preu, maquines_registradores.planta AS planta

FROM caixers INNER JOIN venda ON caixers.codi = venda.caixer INNER JOIN maquines_registradores ON venda.caixer = maquines_registradores.codi INNER JOIN productes

ON venda.producte = productes.codi GROUP BY venda.producte;

8.3

SELECT COUNT venda.producte, maquines_registradores.planta FROM venda INNER JOIN maquines_registradores ON venda.caixer = maquines_registradores.codi GROUP BY maquines_registradores.planta;

8.4

SELECT caixers.*, SUM(venda.producte) FROM caixers

INNER JOIN venda ON caixers.codi = venda.caixer;

8.5

SELECT * FROM caixers INNER JOIN venda ON caixers.codi = venda.caixer INNER JOIN maquines_registradores ON venda.caixer = maquines_registradores.codi

WHERE ((SELECT SUM(venda.producte) FROM venda)<500) && ((SELECT SUM(venda.producte)) != 0);

9.1

SELECT investigadors.DNI, investigadors.Nomcog FROM investigadors INNER JOIN reserva ON investigadors.DNI = reserva.DNI WHERE ((SELECT COUNT reserva.final FROM reserva)>1);

9.2

SELECT investigadors.*, facultat.nom, equips.Numserie, reserva.començament, reserva.final FROM investigadors INNER JOIN facultat ON investigadors.facultat = facultat.codi

INNER JOIN equips ON facultat.codi = equips.facultat INNER JOIN reserva ON equips.Numserie = reserva.DNI;

9.3

SELECT investigadors.DNI, investigadors.Nomcog FROM investigadors INNER JOIN facultat ON investigadors.facultat = facultat.codi

INNER JOIN equips ON facultat.codi = equips.facultat WHERE (SELECT equips.facultat FROM equips) NOT LIKE investigadors.facultat;

9.4

SELECT facultat.nom FROM facultat INNER JOIN facultat ON investigadors.facultat = facultat.codi INNER JOIN reserva ON investigadors.DNI = reserva.DNI

WHERE (SELECT reserva.DNI FROM reserva) IS NULL;

9.5

SELECT facultat.nom FROM facultat

INNER JOIN facultat ON investigadors.facultat = facultat.codi INNER JOIN reserva ON investigadors.DNI = reserva.DNI WHERE (SELECT reserva.DNI FROM reserva) IS NULL;