**CONSULTA 1: EXISTS VS IN [2 puntos]**

**1A) Sin IN, con EXISTS**

|  |
| --- |
| SELECT d.nombre AS Nombre, d.apellidos AS Apellidos  FROM dawers d  WHERE EXISTS (SELECT \* FROM documentalistas doc, alqdoc a WHERE doc.dni=a.dni AND a.dni=d.dni)  ORDER BY d.nombre, d.apellidos DESC; |

**1B) Con IN, sin EXISTS**

|  |
| --- |
| SELECT d.nombre AS Nombre, d.apellidos AS Apellidos  FROM dawers d, documentalistas doc  WHERE d.dni=doc.dni AND doc.dni IN(SELECT a.dni FROM alqdoc a)  ORDER BY d.nombre DESC , d.apellidos DESC; |

**CONSULTA 2: CREAR UNA VISTA VS USARLA [2 puntos]**

**2A) Crea la vista y lista todos sus elementos**

|  |
| --- |
| CREATE OR REPLACE VIEW VI\_ALQ\_X\_MUSEOS  AS SELECT a.idalquiler AS ID\_Alquiler, al.fecha AS Fecha, d.dni AS DNI, CONCAT(d.apellidos, "(",d.nombre,")"), m.nombre  FROM alqdoc a, dawers d, museos m, documentalistas doc, alquileres al  WHERE a.dni=d.dni AND a.idmuseo=m.idmuseo AND d.dni=doc.dni AND a.idalquiler=al.idalquiler  ORDER BY m.nombre DESC, d.apellidos DESC, d.nombre DESC; |

**2B) Crea una consulta sobre esa vista**

|  |
| --- |
| SELECT museo, count(museo) AS ALQUILERES  FROM vi\_alq\_x\_museos  HAVING count(museo)>1 AND museo LIKE "%a%"; |

**CONSULTA 3: CARTESIANO VS JOIN [2 puntos]**

**3A) Sin JOIN**

|  |
| --- |
| SELECT CONCAT(d.apellidos, "(", d.nombre, ")") AS Documentalista, SUM(lad.cantidad) AS "Total Alquileres"  FROM dawers d, lineas\_alqdoc lad, alqdoc ad  WHERE d.dni=ad.dni AND lad.idalquiler=ad.idalquiler  GROUP BY Documentalista  ORDER BY "Total Alquileres" DESC; |

**3B) Con JOIN**

|  |
| --- |
| SELECT CONCAT(d.apellidos, "(", d.nombre, ")") AS Documentalista, SUM(lad.cantidad) AS "Total Alquileres"  FROM dawers d INNER JOIN lineas\_alqdoc lad INNER JOIN alqdoc ad  ON d.dni=ad.dni AND lad.idalquiler=ad.idalquiler  GROUP BY Documentalista  ORDER BY "Total Alquileres" DESC; |

**CONSULTA 4: MÁXIMO DE UNA SUMA [2 puntos]**

**4A) Muestra todos**

|  |
| --- |
| SELECT m.nombre AS "Película", m.precio AS "Precio unitario", COUNT(laa.numlinea) AS "Unidades Alquiladas"  FROM materiales m, lineas\_alqafi laa, peliculas p  WHERE m.idmaterial=laa.idmaterial AND laa.idmaterial=p.idmaterial; |

**4B) Muestra solo el MÁS VENDIDO (sin usar LIMIT ni TOP)**

|  |
| --- |
| SELECT m.nombre AS "Película", m.precio AS "Precio unitario", COUNT(laa.numlinea) AS "Unidades Alquiladas"  FROM materiales m, lineas\_alqafi laa, peliculas p  WHERE m.idmaterial=laa.idmaterial AND laa.idmaterial=p.idmaterial  HAVING (SELECT "Unidades Alquiladas" as unidades2  FROM materiales m2, lineas\_alqafi laa2, peliculas p2  WHERE m2.idmaterial=laa2.idmaterial AND laa2.idmaterial=p2.idmaterial  HAVING unidades2>="Unidades Alquiladas"); |

**CONSULTA 5: GROUP BY VS SUBCONSULTAS [2 puntos]**

**5A) Con GROUP BY, sin SUBCONSULTA**

|  |
| --- |
| SELECT d.dni AS "Dawer (DNI)", d.apellidos AS "Dawer (Apellidos)", COUNT(m.idmedio) AS "Número de Medios"  FROM dawers d, medios\_de\_pago m  WHERE d.dni=m.dni AND d.apellidos like "%a" OR d.apellidos LIKE "%e" OR d.apellidos LIKE "%i" OR d.apellidos LIKE "%o" OR d.apellidos LIKE "%u"  GROUP BY d.dni , d.apellidos; |

**5B) Sin GROUP BY, con SUBCONSULTA**

|  |
| --- |
| SELECT d.dni AS "Dawer (DNI)", d.apellidos AS "Dawer (Apellidos)", (SELECT count(m.idmedio)) AS "Numero de medios"  FROM dawers d, medios\_de\_pago m  WHERE d.dni=m.dni AND d.apellidos like "%a" OR d.apellidos LIKE "%e" OR d.apellidos LIKE "%i" OR d.apellidos LIKE "%o" OR d.apellidos LIKE "%u"; |