

**[1 PUNTO] CONSULTA 1**

a) Forma explícita

```
SELECT CONCAT(v.nom_comp, ' ', s.partido) AS senador_con_cita
FROM votante v
INNER JOIN senador s
ON v.dni = s.dni
INNER JOIN pide_c p
ON v.dni = p.dni_votante
WHERE p.dia = '2025-03-09'
ORDER BY s.partido ASC;
```

b) Forma implícita

```
SELECT CONCAT(v.nom_comp, ' ', s.partido) AS senador_con_cita
FROM votante v, senador s, pide_c p
WHERE (v.dni = s.dni)
AND (v.dni = p.dni_votante)
AND (p.dia = '2025-03-09')
ORDER BY s.partido ASC;
```

**[1.25 PUNTOS] CONSULTA 2**

a) GROUP BY

```
SELECT c.nombre_centro, COUNT(i.dni) AS interventores_asignados
FROM centro c
INNER JOIN interventor i
ON i.centro_asignado = c.id_centro
GROUP BY c.nombre_centro
HAVING COUNT(i.dni) > 1
ORDER BY COUNT(i.dni) DESC, c.nombre_centro ASC;
```

b) Subconsulta

```
SELECT c.nombre_centro,
       (SELECT COUNT(i.dni)
        FROM interventor i
        WHERE c.id_centro = i.centro_asignado) AS interventores_asignados
FROM centro c
WHERE (
    SELECT COUNT(i.dni)
    FROM interventor i
    WHERE c.id_centro = i.centro_asignado) > 1
ORDER BY (SELECT COUNT(i.dni)
          FROM interventor i
          WHERE c.id_centro = i.centro_asignado) DESC, c.nombre_centro ASC;
```

**[1.25 PUNTOS] CONSULTA 3**

a) IN

```
SELECT id, circunscripcion
FROM id_digital
WHERE circunscripcion IN (
    SELECT circunscripcion
    FROM id_digital
    WHERE circunscripcion LIKE '%Ladron%' OR circunscripcion LIKE 'I_____'
)
AND id NOT IN (
    SELECT id
    FROM id_digital i, vota_sen v
    WHERE i.id = v.id_voto
)
ORDER BY circunscripcion;
```

b) EXISTS

```
SELECT id, circunscripcion
FROM id_digital i
WHERE NOT EXISTS (
    SELECT 1
    FROM vota_sen v
    WHERE i.id = v.id_voto
)
AND circunscripcion IN (
    SELECT circunscripcion
    FROM id_digital
    WHERE circunscripcion LIKE '%Ladron%' OR circunscripcion LIKE 'I_____'
)
ORDER BY i.circunscripcion;
```

**[1.5 PUNTOS] CONSULTA 4**

```
SELECT v.nom_comp, i.sueldo
FROM votante v, interventor i
WHERE i.centro_asignado = (
    SELECT i2.centro_asignado
    FROM interventor i2
    WHERE i2.sueldo = (SELECT MIN(sueldo) FROM interventor)
)
GROUP BY v.nom_comp, i.sueldo
HAVING i.sueldo > (SELECT MIN(sueldo) AS sueldo_minimo FROM interventor)
ORDER BY i.sueldo ASC;
```

**[2 PUNTOS] CONSULTA 5**

## a) 1ª Consulta

```
SELECT s.dni, s.partido, (COUNT(*) * pago_compra_voto) AS dinero_gastado
FROM id_digital i
INNER JOIN senador s
ON s.dni = i.senador_corrupto
GROUP BY s.dni
ORDER BY (COUNT(*) * pago_compra_voto) DESC;
```

## b) 2ª Consulta

```
SELECT t2.partido, SUM(t2.dinero_gastado) AS total_gastado
FROM (
  SELECT s.partido, (COUNT(*) * pago_compra_voto) AS dinero_gastado
  FROM id_digital i
  RIGHT OUTER JOIN senador s
  ON s.dni = i.senador_corrupto
  GROUP BY s.dni) t2
GROUP BY t2.partido
ORDER BY SUM(t2.dinero_gastado);
```

**[3 PUNTOS] VISTA Y CONSULTAS 6**

a) Vista

```
CREATE VIEW num_votos_senador
AS (
    SELECT s.dni, COUNT(*) AS num_votos_vista
    FROM vota_sen v
    INNER JOIN senador s
    ON v.dni_senador = s.dni
    WHERE s.circ_presenta = 'Impunícia'
    GROUP BY s.dni
);
```

b) Consulta con vista

```
SELECT dni, num_votos_vista
FROM num_votos_senador
WHERE num_votos_vista =
    (SELECT MAX(num_votos_vista)
     FROM num_votos_senador)
GROUP BY dni;
```

c) Consulta sin vista

```
SELECT dni, votos_senador
FROM
    (SELECT s.dni, COUNT(*) AS votos_senador
     FROM vota_sen v
     INNER JOIN senador s
     ON v.dni_senador = s.dni
     WHERE s.circ_presenta = 'Impunícia'
     GROUP BY s.dni) t1
WHERE votos_senador =
    (SELECT MAX(votos_senador)
     FROM (
         SELECT s.dni, COUNT(*) AS votos_senador
         FROM vota_sen v
         INNER JOIN senador s
         ON v.dni_senador = s.dni
         WHERE s.circ_presenta = 'Impunícia'
         GROUP BY s.dni) t2
     )
GROUP BY dni;
```