1

SELECT cntr.v\_ext\_ident, sum\_costs\_2.sum\_cost

FROM fw\_departments dprt

INNER JOIN fw\_contracts cntr

ON cntr.id\_department = dprt.id\_department

AND dprt.b\_deleted != 1

INNER JOIN

(SELECT dpr.id\_department AS id\_dep, AVG(sum\_costs.sum\_cost) avg\_cost

FROM fw\_departments dpr

INNER JOIN fw\_contracts cnt

ON dpr.id\_department = cnt.id\_department

AND dpr.b\_deleted != 1

INNER JOIN

(SELECT cn.id\_contract\_inst AS cont, SUM(s.n\_cost\_period) sum\_cost

FROM fw\_contracts cn

INNER JOIN fw\_services\_cost s

ON cn.id\_contract\_inst = s.id\_contract\_inst

AND cn.dt\_start <= current\_timestamp

AND cn.dt\_stop > current\_timestamp

AND s.dt\_start <= current\_timestamp

AND s.dt\_stop > current\_timestamp

AND cn.v\_status != 'D'

GROUP BY cn.id\_contract\_inst) sum\_costs

ON cnt.id\_contract\_inst = sum\_costs.cont

GROUP BY dpr.id\_department) avg\_costs

ON dprt.id\_department = avg\_costs.id\_dep

INNER JOIN

(SELECT cn.id\_contract\_inst AS cont, SUM(s.n\_cost\_period) sum\_cost

FROM fw\_contracts cn

INNER JOIN fw\_services\_cost s

ON cn.id\_contract\_inst = s.id\_contract\_inst

AND cn.dt\_start <= current\_timestamp

AND cn.dt\_stop > current\_timestamp

AND s.dt\_start <= current\_timestamp

AND s.dt\_stop > current\_timestamp

AND cn.v\_status != 'D'

GROUP BY cn.id\_contract\_inst) sum\_costs\_2

ON sum\_costs\_2.cont = cntr.id\_contract\_inst

WHERE sum\_costs\_2.sum\_cost > avg\_costs.avg\_cost

2

SELECT srv.v\_name, contracts.department, SUM(sc.n\_cost\_period)

FROM

(SELECT cntr.id\_contract\_inst AS contract, dprt.v\_name department, dprt.id\_department id\_depar

FROM fw\_departments dprt

INNER JOIN fw\_contracts cntr

ON cntr.id\_department = dprt.id\_department

AND dprt.b\_deleted != 1

INNER JOIN

(SELECT dpr.id\_department AS id\_dep, AVG(sum\_costs.sum\_cost) avg\_cost

FROM fw\_departments dpr

INNER JOIN fw\_contracts cnt

ON dpr.id\_department = cnt.id\_department

AND dpr.b\_deleted != 1

INNER JOIN

(SELECT cn.id\_contract\_inst AS cont, SUM(s.n\_cost\_period) sum\_cost

FROM fw\_contracts cn

INNER JOIN fw\_services\_cost s

ON cn.id\_contract\_inst = s.id\_contract\_inst

AND cn.dt\_start <= current\_timestamp

AND cn.dt\_stop > current\_timestamp

AND s.dt\_start <= current\_timestamp

AND s.dt\_stop > current\_timestamp

AND cn.v\_status != 'D'

GROUP BY cn.id\_contract\_inst) sum\_costs

ON cnt.id\_contract\_inst = sum\_costs.cont

GROUP BY dpr.id\_department) avg\_costs

ON dprt.id\_department = avg\_costs.id\_dep

INNER JOIN

(SELECT cn.id\_contract\_inst AS cont, SUM(s.n\_cost\_period) sum\_cost

FROM fw\_contracts cn

INNER JOIN fw\_services\_cost s

ON cn.id\_contract\_inst = s.id\_contract\_inst

AND cn.dt\_start <= current\_timestamp

AND cn.dt\_stop > current\_timestamp

AND s.dt\_start <= current\_timestamp

AND s.dt\_stop > current\_timestamp

AND cn.v\_status != 'D'

GROUP BY cn.id\_contract\_inst) sum\_costs\_2

ON sum\_costs\_2.cont = cntr.id\_contract\_inst

WHERE sum\_costs\_2.sum\_cost > avg\_costs.avg\_cost) contracts

INNER JOIN fw\_services srvs

ON contracts.contract = srvs.id\_contract\_inst

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

INNER JOIN fw\_service srv

ON srvs.id\_service = srv.id\_service

AND srv.b\_deleted != 1

INNER JOIN fw\_services\_cost sc

ON sc.id\_contract\_inst = contracts.contract

AND sc.dt\_start <= current\_timestamp

AND sc.dt\_stop > current\_timestamp

GROUP BY srv.v\_name, contracts.department;

3

SELECT DISTINCT cnt.id\_contract\_inst, sc.n\_discount\_period, COUNT(\*)

FROM fw\_contracts cnt

INNER JOIN fw\_services\_cost sc

ON cnt.id\_contract\_inst = sc.id\_contract\_inst

AND sc.dt\_start <= current\_timestamp

AND sc.dt\_stop > current\_timestamp

AND cnt.dt\_start <= current\_timestamp

AND cnt.dt\_stop > current\_timestamp

GROUP BY cnt.id\_contract\_inst, sc.n\_discount\_period

4

5

SELECT dpr.v\_name, srv\_5.srv\_name, SUM(sc.n\_cost\_period)

FROM fw\_departments dpr

INNER JOIN fw\_contracts cnt

ON cnt.id\_department = dpr.id\_department

AND cnt.dt\_start <= current\_timestamp

AND cnt.dt\_stop > current\_timestamp

AND dpr.b\_deleted != 1

INNER JOIN fw\_services\_cost sc

ON cnt.id\_contract\_inst = sc.id\_contract\_inst

AND sc.dt\_start <= current\_timestamp

AND sc.dt\_stop > current\_timestamp

INNER JOIN fw\_services srvs

ON cnt.id\_contract\_inst = srvs.id\_contract\_inst

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

INNER JOIN

(SELECT srv.v\_name AS srv\_name, srv.id\_service srv\_id, SUM(sc.n\_cost\_period) sc\_sum

FROM fw\_contracts cnt

INNER JOIN fw\_services srvs

ON cnt.id\_contract\_inst = srvs.id\_contract\_inst

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

AND cnt.dt\_start <= current\_timestamp

AND cnt.dt\_stop > current\_timestamp

INNER JOIN fw\_service srv

ON srvs.id\_service = srv.id\_service

AND srv.b\_deleted != 1

INNER JOIN fw\_services\_cost sc

ON cnt.id\_contract\_inst = sc.id\_contract\_inst

AND sc.dt\_start <= current\_timestamp

AND sc.dt\_stop > current\_timestamp

GROUP BY srv.v\_name, srv.id\_service

ORDER BY SUM(sc.n\_cost\_period) DESC

FETCH FIRST 5 ROWS ONLY) srv\_5

ON srv\_5.srv\_id = srvs.id\_service

GROUP BY dpr.v\_name, srv\_5.srv\_name

ORDER BY SUM(sc.n\_cost\_period) DESC

FETCH FIRST 5 ROWS ONLY;

6

SELECT dpr.v\_name, tp\_5.tp\_name, SUM(sc.n\_cost\_period)

FROM fw\_tariff\_plan tp

INNER JOIN

(SELECT tp.v\_name AS tp\_name, tp.id\_tariff\_plan tp\_id, SUM(sc.n\_cost\_period) sc\_sum

FROM fw\_services srvs

INNER JOIN fw\_services\_cost sc

ON srvs.id\_service\_inst = sc.id\_service\_inst

AND sc.dt\_start < TRUNC(current\_timestamp, 'MONTH')

AND sc.dt\_stop > current\_timestamp

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

AND srvs.b\_deleted != 1

INNER JOIN fw\_tariff\_plan tp

ON tp.id\_tariff\_plan = srvs.id\_tariff\_plan

AND tp.dt\_start <= current\_timestamp

AND tp.dt\_stop > current\_timestamp

AND tp.b\_deleted != 1

GROUP BY tp.v\_name, tp.id\_tariff\_plan

ORDER BY SUM(sc.n\_cost\_period) DESC

FETCH FIRST 5 ROWS ONLY) tp\_5

ON tp.id\_tariff\_plan = tp\_5.tp\_id

INNER JOIN fw\_departments dpr

ON tp.id\_department = dpr.id\_department

AND dpr.b\_deleted != 1

INNER JOIN fw\_services srvs

ON srvs.id\_tariff\_plan = tp.id\_tariff\_plan

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

AND srvs.b\_deleted != 1

INNER JOIN fw\_services\_cost sc

ON srvs.id\_service\_inst = sc.id\_service\_inst

AND sc.dt\_start <= current\_timestamp

AND sc.dt\_stop > current\_timestamp

GROUP BY dpr.v\_name, tp\_5.tp\_name

ORDER BY SUM(sc.n\_cost\_period) DESC

FETCH FIRST 5 ROWS ONLY;

7

SELECT srv.v\_name, dpr.id\_department

FROM fw\_departments dpr

INNER JOIN

(SELECT dpr.id\_department AS dpr\_id, MAX(count\_srv.count\_srv) srv\_max, MIN(count\_srv.count\_srv) srv\_min

FROM fw\_departments dpr

INNER JOIN

(SELECT dpr.id\_department AS dpr\_id, srv.id\_service srv\_id, COUNT(srvs.id\_service\_inst) count\_srv

FROM fw\_departments dpr

INNER JOIN fw\_contracts cnt

ON dpr.id\_department = cnt.id\_department

AND dpr.b\_deleted != 1

AND cnt.dt\_start <= current\_timestamp

AND cnt.dt\_stop > current\_timestamp

INNER JOIN fw\_services srvs

ON cnt.id\_contract\_inst = srvs.id\_contract\_inst

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

AND srvs.b\_deleted != 1

INNER JOIN fw\_service srv

ON srvs.id\_service = srv.id\_service

AND srv.b\_deleted != 1

GROUP BY dpr.id\_department, srv.id\_service) count\_srv

ON dpr.id\_department = count\_srv.dpr\_id

GROUP BY dpr.id\_department) mm\_srv

ON dpr.id\_department = mm\_srv.dpr\_id

INNER JOIN fw\_service srv

ON srv.id\_service = mm\_srv.srv\_id

AND srv.b\_deleted != 1

WHERE mm\_srv.srv\_max =

(SELECT COUNT(srvs.id\_service\_inst) count\_srv

FROM fw\_departments dpr

INNER JOIN fw\_contracts cnt

ON dpr.id\_department = cnt.id\_department

AND dpr.b\_deleted != 1

AND cnt.dt\_start <= current\_timestamp

AND cnt.dt\_stop > current\_timestamp

INNER JOIN fw\_services srvs

ON cnt.id\_contract\_inst = srvs.id\_contract\_inst

AND srvs.dt\_start <= current\_timestamp

AND srvs.dt\_stop > current\_timestamp

AND srvs.b\_deleted != 1

INNER JOIN fw\_service srv

ON srvs.id\_service = srv.id\_service

AND srv.b\_deleted != 1

GROUP BY dpr.id\_department, srv.id\_service)