```
 1 [2025-11-22 15:34:43] Connected
 2 IFS74> alter session set current_schema = IFS74
 3 [2025-11-22 15:34:43] completed in 93 ms
 4 IFS74> SELECT d.DEPARTMENT_ID,
 5              XMLELEMENT("department",
 6                          XMLATTRIBUTES(d.
   DEPARTMENT_ID "department_id", d.DEPARTMENT_NAME "
   department_name"),
 7                            (SELECT XMLAGG(
 8                                        XMLELEMENT(
   location,

   XMLFOREST(l.LOCATION_ID, l.STREET_ADDRESS, l.
   POSTAL_CODE, l.CITY,
10
           l.COUNTRY_ID)))
11                              FROM LOCATIONS l
12                              WHERE l.LOCATION_ID = d.
   LOCATION_ID)
13              )
14       FROM DEPARTMENTS d
15       WHERE d.LOCATION_ID IN (SELECT l.LOCATION_ID
   FROM locations l WHERE l.COUNTRY_ID = 'UK')
16 [2025-11-22 15:34:45] 2 rows retrieved starting from
   1 in 887 ms (execution: 286 ms, fetching: 601 ms)
17 IFS74> SELECT XMLELEMENT("job",
18                          XMLELEMENT(jobdata,
19                                      XMLATTRIBUTES(j.
   JOB_ID AS "job_id"),
20                                      XMLFOREST(
21                                                 j.
   JOB_TITLE, j.MIN_SALARY, j.MAX_SALARY
22                                      )
23                          ),
24                          (SELECT XMLELEMENT("
   employee_data",
25                                      XMLFOREST
   (count(e.EMPLOYEE_ID) AS "emp_count",
26
    MIN(e.SALARY) AS "min_sal",
27
```

```
27  MAX(e.SALARY) AS "max_sal",
28
     AVG(e.SALARY) AS "avg_sal"
29                                                )
30                                            )
31                              FROM EMPLOYEES e
32                              WHERE e.JOB_ID = j.JOB_ID))
33       FROM JOBS j
34       WHERE JOB_TITLE IN ('Sales Manager', 'Stock
   Manager', 'Marketing Manager')
35  [2025-11-22 15:34:54] 3 rows retrieved starting from
    1 in 504 ms (execution: 51 ms, fetching: 453 ms)
36  IFS74> SELECT XMLELEMENT("job",
37                           XMLATTRIBUTES(j.JOB_ID AS "
    job_id", j.JOB_TITLE AS "job_title"),
38                           (SELECT XMLAGG(
39                                      XMLELEMENT("
   sales_manager",
40
   XMLATTRIBUTES(m.EMPLOYEE_ID,
41                                                      m
   .LAST_NAME AS "last_name"
42                                                    ),
43                                                    (
   SELECT XMLAGG(
44
               XMLELEMENT("sub_emp",
45
                   XMLATTRIBUTES(e.EMPLOYEE_ID
   ,
46
                   e.LAST_NAME,
47
                   e.JOB_ID
48
                 )
49
                 )
50
         )
51
```

```
51 FROM EMPLOYEES e
52
   WHERE m.EMPLOYEE_ID = e.MANAGER_ID)
53                                           )
54                                        )
55                              FROM EMPLOYEES m
56                              WHERE m.JOB_ID = j.JOB_ID)
57             )
58      FROM JOBS j
59      WHERE j.JOB_TITLE IN ('Sales Manager')
60 [2025-11-22 15:35:01] 1 row retrieved starting from 1
   in 482 ms (execution: 48 ms, fetching: 434 ms)
61
```