

```
/*
```

```
Write a query to return employees' level in the company hierarchy.
```

```
*/
```

```
WITH RECURSIVE cte AS (
```

```
    SELECT
```

```
        e.employeeNumber,
```

```
        CONCAT_WS(" ", e.firstName, e.lastName) AS employeeName,
```

```
        e.reportsTo,
```

```
        0 AS hierarchy
```

```
    FROM
```

```
        employees AS e
```

```
    WHERE
```

```
        e.reportsTo IS NULL
```

```
    UNION ALL
```

```
    SELECT
```

```
        e.employeeNumber,
```

```
        CONCAT_WS(" ", e.firstName, e.lastName) AS employeeName,
```

```
        e.reportsTo,
```

```
        cte.hierarchy + 1 AS hierarchy
```

```
    FROM
```

```
        employees AS e
```

```
    INNER JOIN
```

```
        cte
```

```
    ON e.reportsTo = cte.employeeNumber
```

```
)
```

```
SELECT
```

```
    *
```

```
FROM
```

```
    cte
```

```
ORDER BY
```

```
    hierarchy,
```

```
    reportsTo,
```

```
    employeeNumber;
```

Result Grid

employeeNumber	employeeName	reportsTo	hierarchy
1002	Diane Murphy	NULL	0
1056	Mary Patterson	1002	1
1076	Jeff Firrelli	1002	1
1088	William Patterson	1056	2
1102	Gerard Bondur	1056	2
1143	Anthony Bow	1056	2
1621	Mami Nishi	1056	2
1611	Andy Fixter	1088	3
1612	Peter Marsh	1088	3
1619	Tom King	1088	3
1337	Loui Bondur	1102	3
1370	Gerard Hernandez	1102	3
1401	Pamela Castillo	1102	3
1501	Larry Bott	1102	3
1504	Barry Jones	1102	3
1702	Martin Gerard	1102	3
1165	Leslie Jennings	1143	3
1166	Leslie Thompson	1143	3
1188	Julie Firrelli	1143	3
1216	Steve Patterson	1143	3
1286	Foon Yue Tseng	1143	3
1323	George Vanauf	1143	3
1625	Yoshimi Kato	1621	3