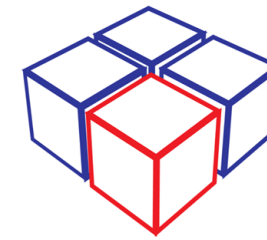


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Oracle APEX Developing Database Web Applications



4 Maggio 2023

ORACLE

Partner



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Software Architectures

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Chi Siamo

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—Sviluppo Oracle APEX



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Chi Siamo

- Dott.ssa Nicoletta Bindi
- in Tema dal 2001
- Analista sviluppatrice java e web
- Apex dal 2020



Query Gerarchiche

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       hiredate,  
       sal  
from emp;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       hiredate,  
       sal  
from emp  
start with mgr is null  
connect by prior empno = mgr;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       hiredate,  
       sal,  
       level  
from emp  
start with mgr is null  
connect by prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       hiredate,  
       sal,  
       level  
from emp  
start with mgr is null  
connect by prior empno = mgr  
order siblings by ename;
```


Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level  
from emp  
start with mgr is null  
connect by prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level,  
       SYS_CONNECT_BY_PATH(ename, '/') path  
from emp  
start with mgr is null  
connect by prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level,  
       SYS_CONNECT_BY_PATH(ename, '/') path,  
       CONNECT_BY_ISLEAF leaf  
from emp  
start with mgr is null  
connect by prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
update emp set mgr = 7566 where empno=7839
```

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level,  
       SYS_CONNECT_BY_PATH(ename, '/') path,  
       CONNECT_BY_ISLEAF leaf  
from emp  
start with empno = 7839  
connect by prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level,  
       SYS_CONNECT_BY_PATH(ename, '/') path,  
       CONNECT_BY_ISLEAF leaf  
from emp  
start with empno = 7839  
connect by nocycle prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level,  
       SYS_CONNECT_BY_PATH(ename, '/') path,  
       CONNECT_BY_ISLEAF leaf,  
       CONNECT_BY_ISCYCLE cycle  
from emp  
start with empno = 7839  
connect by nocycle prior empno = mgr  
order siblings by ename;
```

Query Gerarchiche

```
update emp set mgr = null where empno=7839;
```

```
select empno,  
       ename,  
       job,  
       mgr,  
       prior ename mgr_ename,  
       prior job mgr_job,  
       connect_by_root empno root_empno,  
       hiredate,  
       sal,  
       level,  
       SYS_CONNECT_BY_PATH(ename, '/') path,  
       lpad(' ', level, '*' ) || ename as ename_indented,  
       --CONNECT_BY_ISCYCLE cycle,  
       CONNECT_BY_ISLEAF leaf  
from emp  
start with mgr is null  
connect by -- nocycle  
       prior empno = mgr  
order siblings by ename;
```