

Oracle commands

Over - Over Which

This command is similar to group by but it allows for other columns to be added it can be used with the partition by to get groups or used with order by to get an accumulation

Example

```
select sa.*,max(unitprice) over(partition by customerid) from sales
sa;
```

```
select sa.*,max(unitprice) over(order by customerid) from sales sa;
```

Cursor

These are values that can be used to loop through. they come with specialised exceptions.

<https://www.oracletutorial.com/plsql-tutorial/plsql-cursor-for-loop/>
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Example

```
set serveroutput on;
declare
    cursor tester is
        select * from sales;
begin
    for i in tester loop

        SYS.dbms_output.put_line(i.customerid);

    end loop;
end;
```

Cursor with parameters

```
set serveroutput on;
declare
    cursor tester(x number) is
        select * from sales where customerid = x;
begin
    for i in tester(100) loop

        SYS.dbms_output.put_line(i.customerid);

    end loop;
end;
```

Collections
