

Prosit : Blocs Anonymes

1-

```
SET SERVEROUTPUT ON ;
```

```
Declare
```

```
s employees.salary%type;
```

```
Begin
```

```
select avg(employees.salary) into s from employees where department_id=20 or department_id=30;
```

```
DBMS_OUTPUT.PUT_LINE('moyenne =' || s);
```

```
End ;
```

Results Explain Describe Saved SQL History

moyenne =5487,5

Statement processed.

0,01 seconds

Application Express 2.1.0.00.39

2-

```
Declare
```

```
s employees.manager_id%type;
```

```
emp employees%rowtype;
```

```
Begin
```

```
select employees.manager_id into s from employees where employee_id=101;
```

```
select * into emp from employees where employee_id = s ;
```

```
DBMS_OUTPUT.PUT_LINE('
```

```
id=' || emp.employee_id || '
```

```
First name = ' || emp.first_name || '
```

```
Last name= ' || emp.last_name || '
```

```
Email= ' || emp.email || '
```

```
Phone number= ' || emp.phone_number);
```

```
DBMS_OUTPUT.PUT_LINE('
```

```
Hire date= ' || emp.hire_date || '
```

```
Job id = ' || emp.job_id || '
```

```
Salary= ' || emp.salary || '
```

```
Commission pct= ' || emp.commission_pct );
```

```
DBMS_OUTPUT.PUT_LINE('
```

```
Manager id= ' || emp.manager_id || '
```

```
Departement id= ' || emp.department_id);
```

```
End ;
```

Results Explain Describe Saved SQL History

id=100
First name = Steven
Last name= King
Email= SKING
Phone number= 515.123.4567

Hire date= 17/06/87
Job id = AD_PRES
Salary= 24000
Commission pct=

Manager id=
Departement id= 90

Statement processed.

0,02 seconds

Application Express 2.1.0.00.39

Language: fr

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3-

Declare

emp1 employees%rowtype;

emp2 employees%rowtype;

Begin

select * into emp1 from employees where employee_id = 120 ;

select * into emp2 from employees where employee_id = 122 ;

update employees set employees.Salary = emp2.salary where employee_id = 120 ;

update employees set employees.salary = emp1.salary where employee_id = 122 ;

DBMS_OUTPUT.PUT_LINE('Salary 1 : ' || emp1.salary);

DBMS_OUTPUT.PUT_LINE('Salary 2 : ' || emp2.salary);

End;

Results	Explain	Describe	Saved SQL	History
Salary 1 after exchange= 3000 Salary 2 after exchange = 7900 Statement processed. 0,01 seconds				
Application Express 2.1.0.00.39 Language: fr Copyright © 1999, 2006, Oracle. All rights reserved.				

4-

Declare

```
emp1 employees%ROWTYPE;
```

```
now number;
```

```
annee number;
```

```
result number;
```

Begin

```
select * into emp1 from employees where employee_id=115;
```

```
select to_char(hire_date,'yyyy') into annee from employees where employee_id=115;
```

```
select to_char(sysdate,'yyyy') into now from dual;
```

```
result :=now-annee;
```

```
if( result > 10) then
```

```
emp1.salary := emp1.salary + ((emp1.salary)*20/100);
```

```
update employees set salary=emp1.salary where employee_id=115;
```

```
elsif( result > 5) then
```

```
emp1.salary := emp1.salary + ((emp1.salary)*10/100);
```

```
update employees set salary=emp1.salary where employee_id=115;
```

```
else
```

```
emp1.salary := emp1.salary + ((emp1.salary)*5/100);
```

```
update employees set salary=emp1.salary where employee_id=115;
```

end if ;

End;

Before :

--select * from employees where employee_id=115;

Results

Explain

Describe

Saved SQL

History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
115	Alexander	Khoo	AKHOO	515.127.4562	18/05/95	PU_CLERK	3100	-	114	30

1 rows returned in 0,00 seconds

CSV Export

After :

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
115	Alexander	Khoo	AKHOO	515 127 4562	18/05/95	PU_CLERK	3720	-	114	30

1 rows returned in 0,02 seconds

CSV Export

5-

Declare

emp1 employees%ROWTYPE;

emp2 employees%ROWTYPE;

s number;

now number;

annee number;

result number;

Begin

select * into emp1 from employees where employee_id=150;

select emp1.salary into s from employees where employee_id=150;

```
select to_char(hire_date,'yyyy') into annee from employees where employee_id=115;
```

```
select to_char(sysdate,'yyyy') into now from dual;
```

```
result :=now-annee;
```

```
DBMS_OUTPUT.PUT_LINE('Salary : ' || s);
```

```
DBMS_OUTPUT.PUT_LINE('Exp : ' || result);
```

```
if( s >= 10000) then
```

```
emp1.commission_pct := 4/100;
```

```
elsif(( s < 10000) and (result>10)) then
```

```
emp1.commission_pct := 35/1000;
```

```
elsif(s<3000) then
```

```
emp1.commission_pct := 25/1000;
```

```
else
```

```
emp1.commission_pct := 15/1000;
```

```
end if ;
```

```
DBMS_OUTPUT.PUT_LINE('Commission: ' || emp1.commission_pct);
```

```
End;
```

Before :

```
--select * from employees where employee_id=150;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
150	Peter	Tucker	PTUCKER	011.44.1344.129268	30/01/97	SA_REP	10000	.3	145	80

1 rows returned in 0,00 seconds [CSV Export](#)

After :

[Results](#) [Explain](#) [Describe](#) [Saved SQL](#) [History](#)

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
150	Peter	Tucker	PTUCKER	011.44.1344.129268	30/01/97	SA_REP	10000	,4	145	80

1 rows returned in 0,01 seconds [CSV Export](#)