Lab Assignment-10

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QUES 1: Write a PL/SQL block to create a explicit cursor using For Loop and display the employees who have salary greater than 4800.

SOLUTION:

DECLARE

var\_record employees%ROWTYPE;

CURSOR cur IS SELECT \* FROM employees WHERE salary > 4800;

BEGIN

OPEN cur;

LOOP

FETCH cur INTO var\_record;

EXIT WHEN cur%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Name: ' || var\_record.first\_name || chr(9)||' Salary: '|| var\_record.salary);

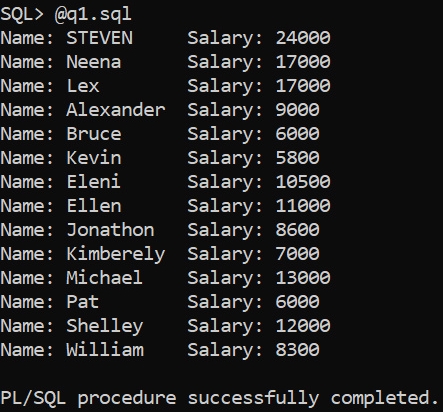
END LOOP;

CLOSE cur;

END;

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OUTPUT:



QUES 2: Write a PL/SQL block to create a cursor based records and display the total number of rows present in the table.

SOLUTION:

DECLARE

CURSOR cur IS SELECT employee\_id,first\_name,last\_name,salary FROM employees;

var\_record cur%ROWTYPE;

BEGIN

OPEN cur;

LOOP

FETCH cur INTO var\_record;

EXIT WHEN cur%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Employees Details : '||' '||var\_record.employee\_id ||' '||var\_record.first\_name||' '||var\_record.last\_name);

END LOOP;

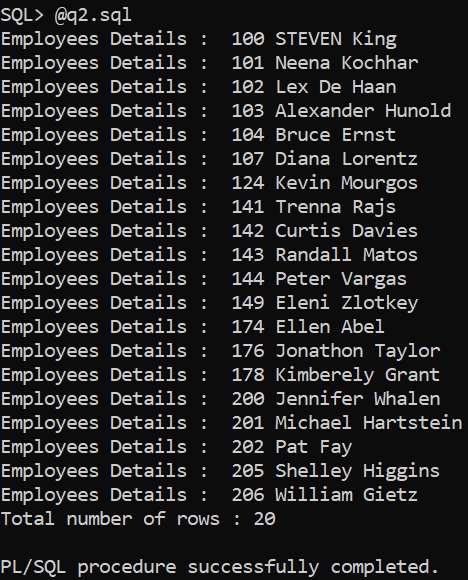
DBMS\_OUTPUT.PUT\_LINE('Total number of rows : '||cur%ROWCOUNT);

CLOSE cur;

END;

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OUTPUT:



QUES 3: Write a PL/SQL block to create a cursor in nested loops and display the records department wise.

SOLUTION:

DECLARE

CURSOR cur IS SELECT \* FROM departments WHERE manager\_id IS NOT NULL ORDER BY department\_name;

var\_record cur%ROWTYPE;

--Declaration of departments cursor and record variable.

CURSOR cur2 (cur\_no departments.department\_id%TYPE) IS SELECT \* FROM employees WHERE department\_id = cur\_no;

var\_record2 cur2%ROWTYPE;

--Declaration of employees cursor and record variable.

BEGIN

OPEN cur;

LOOP

FETCH cur INTO var\_record;

EXIT WHEN cur%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('----------------------------------');

DBMS\_OUTPUT.PUT\_LINE('Department Name : '||var\_record.department\_name);

DBMS\_OUTPUT.PUT\_LINE('----------------------------------');

OPEN cur2(var\_record.department\_id);

LOOP

FETCH cur2 INTO var\_record2;

EXIT WHEN cur2%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Employees Details : '||var\_record2.employee\_id||' '||var\_record2.first\_name||' '||var\_record2.last\_name||' '||var\_record2.salary);

END LOOP;

CLOSE cur2;

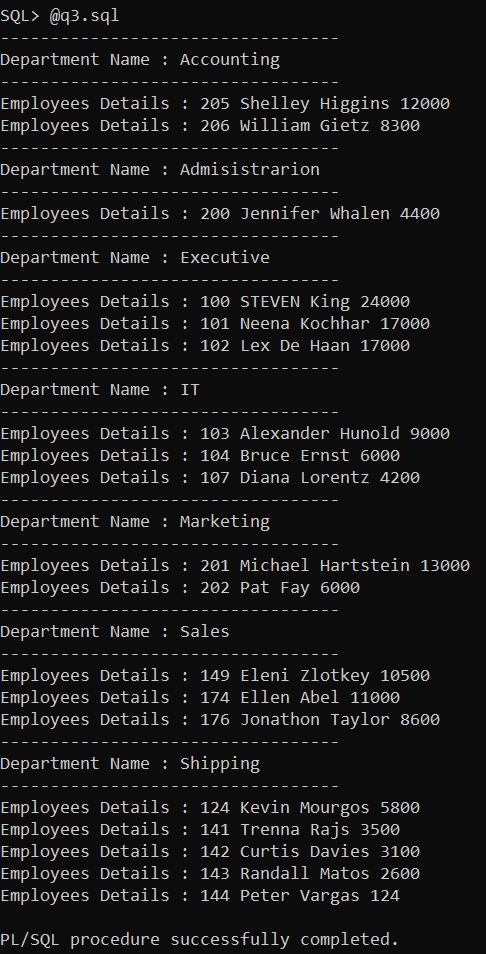
END LOOP;

CLOSE cur;

END;

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OUTPUT:



QUES 4: Declare a cursor c1 to retrieve the last name, salary, hire date, and job class for the employee whose employee ID is 120.

SOLUTION:

DECLARE

var\_record employees%ROWTYPE;

cursor c1 IS SELECT \* FROM employees WHERE employee\_id = 124;

BEGIN

OPEN c1;

LOOP

FETCH c1 INTO var\_record;

EXIT WHEN c1%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Last Name: ' || var\_record.last\_name || chr(9) || ' Salary: ' || var\_record.salary || ' Hire Date: ' || var\_record.hire\_date || ' Job Class: ' || var\_record.job\_id);

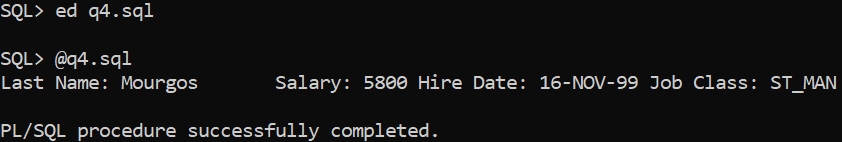
END LOOP;

CLOSE c1;

END;

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OUTPUT:



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