



PL/SQL HANDS-ON

INTEAS22OSP002



MAY 17, 2022
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ASSIGNMENT-2

1. WRITE A PL/SQL FUNCTION TO FIND TOTAL SALARY OF CUSTOMERS.

Solution:

SET SERVEROUTPUT ON;

CREATE OR REPLACE FUNCTION TOTALSALARY

RETURN NUMBER

IS

SAL NUMBER:=0;

BEGIN

SELECT SUM(SALARY) INTO SAL FROM EMPLOYEES;

RETURN SAL;

END;

/

DECLARE

S NUMBER(6);

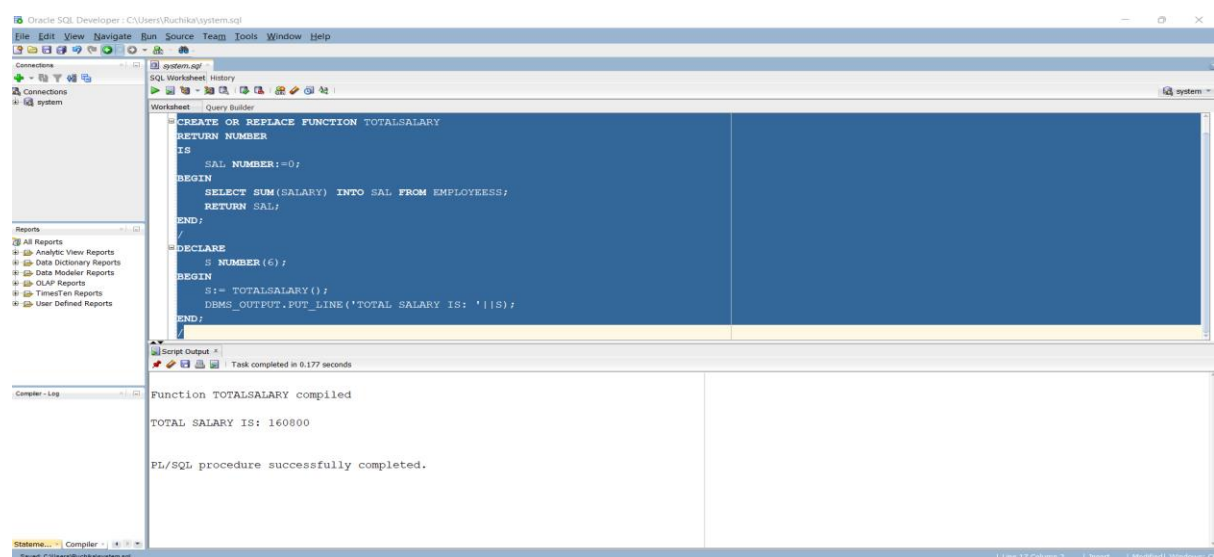
BEGIN

S:= TOTALSALARY();

DBMS_OUTPUT.PUT_LINE('TOTAL SALARY IS: '||S);

END;

/



2. WRITE A PL/SQL BLOCK(ANON.) TO CALCULATE THE INCENTIVE OF EMPLOYEE WHOSE ID=110.

Solution:

SET SERVEROUTPUT ON;

DECLARE

SAL NUMBER:=0;

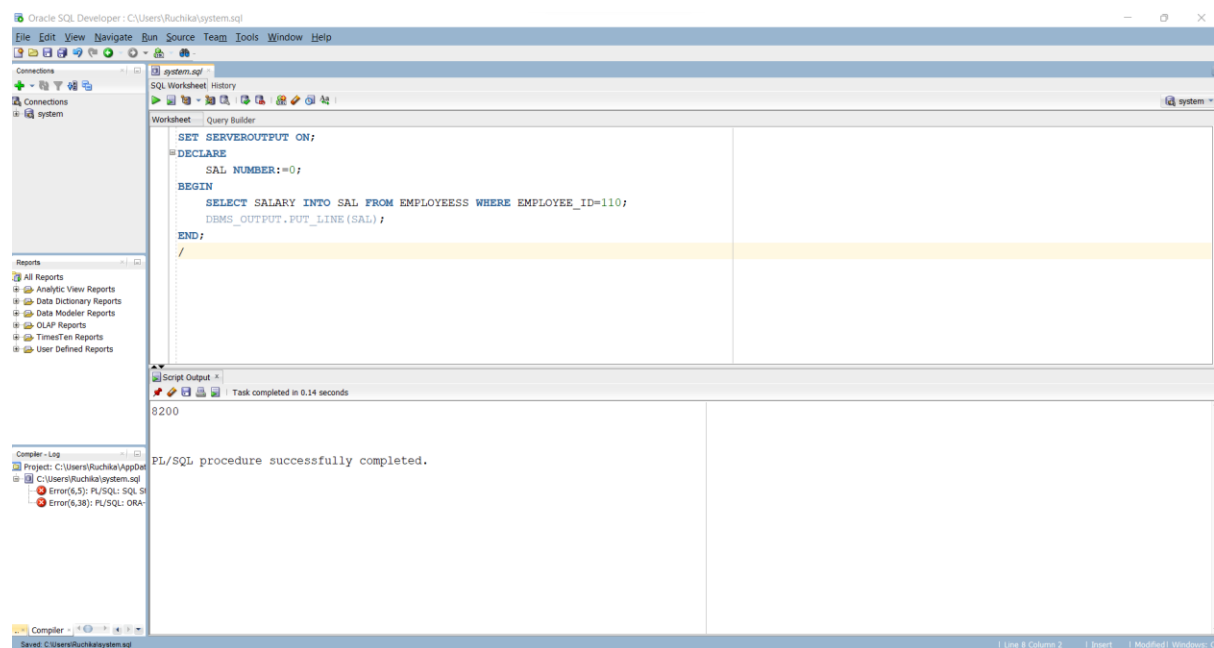
BEGIN

SELECT SALARY INTO SAL FROM EMPLOYEES WHERE EMPLOYEE_ID=110;

DBMS_OUTPUT.PUT_LINE(SAL);

END;

/



3. WRITE A PL/SQL PROGRAM TO CHECK WHETHER A NO. IS EVEN OR ODD?

SOLUTION:

DECLARE

X NUMBER:=5;

Y NUMBER;

BEGIN

Y:= MOD(X,2);

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IF Y=0 THEN

    DBMS_OUTPUT.PUT_LINE('EVEN');

ELSE

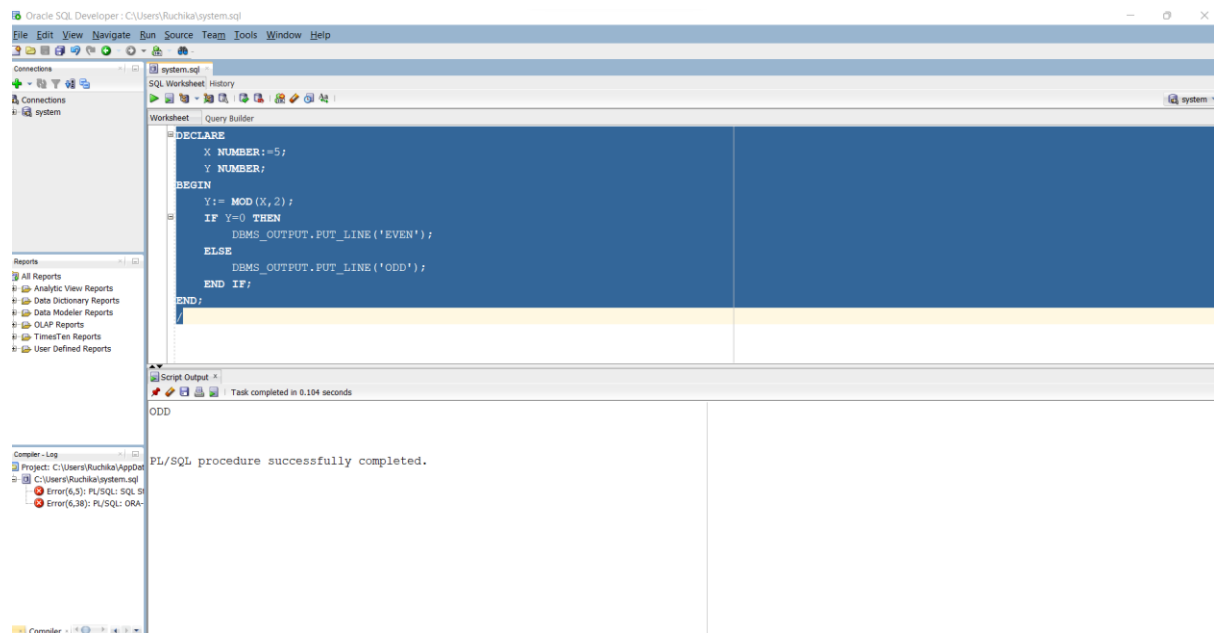
    DBMS_OUTPUT.PUT_LINE('ODD');

END IF;

END;

/

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4. Write a pl/sql function to find out those employees whose salary is greater than 1000.

SOLUTION:

create or replace function find_salary

return sys_refcursor

is

 rf_cur sys_refcursor;

begin

 open rf_cur for

 select employee_id, first_name, last_name from employees where salary > 1000;

 return rf_cur;

end;

/

DECLARE

emp_refcur_local SYS_REFCURSOR;

v_empid EMPLOYEEES.EMPLOYEE_ID%type;

v_fname EMPLOYEEES.first_name%type;

v_lname EMPLOYEEES.last_name%type;

BEGIN

emp_refcur_local := find_salary;

LOOP

FETCH emp_refcur_local INTO v_empid, v_fname, v_lname;

IF emp_refcur_local%NOTFOUND THEN

EXIT;

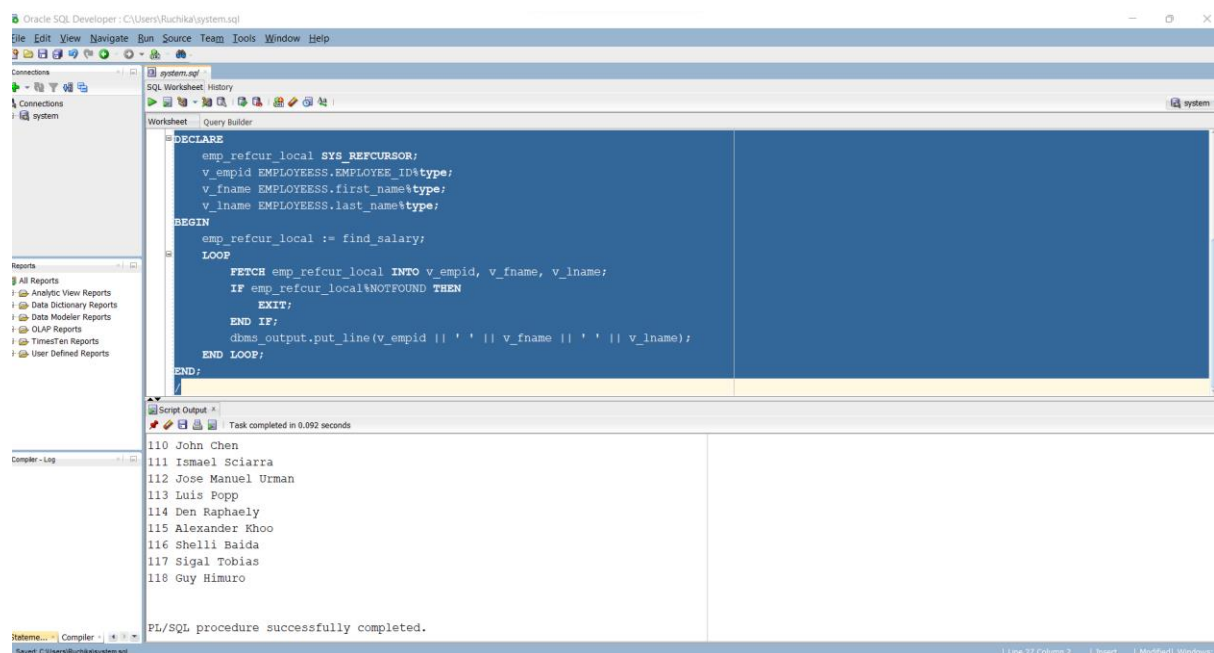
END IF;

dbms_output.put_line(v_empid || ' ' || v_fname || ' ' || v_lname);

END LOOP;

END;

/



```
Oracle SQL Developer - C:\Users\Ruchika\system.sql
File Edit View Navigate Run Source Team Tools Window Help
Connections
  system
Reports
  All Reports
  Analytic View Reports
  Data Dictionary Reports
  Data Modeler Reports
  OLAP Reports
  TimeSeries Reports
  User Defined Reports
Worksheet
  DECLARE
    emp_refcur_local SYS_REFCURSOR;
    v_empid EMPLOYEEES.EMPLOYEE_ID%type;
    v_fname EMPLOYEEES.first_name%type;
    v_lname EMPLOYEEES.last_name%type;
  BEGIN
    emp_refcur_local := find_salary;
    LOOP
      FETCH emp_refcur_local INTO v_empid, v_fname, v_lname;
      IF emp_refcur_local%NOTFOUND THEN
        EXIT;
      END IF;
      dbms_output.put_line(v_empid || ' ' || v_fname || ' ' || v_lname);
    END LOOP;
  END;
Script Output
  Task completed in 0.092 seconds
110 John Chen
111 Ismael Sciarra
112 Jose Manuel Urman
113 Luis Popp
114 Den Raphaely
115 Alexander Khoo
116 Shelli Baida
117 Sigal Tobias
118 Guy Himuro
PL/SQL procedure successfully completed.
Status Bar: Line 27 Column 2 | Insert | Modified | Windows
```