```
=====Task 1: Compute and Print the Bonus Amount
    DECLARE
          emp_id NUMBER := &emp_id;
          salary NUMBER;
          bonus NUMBER;
      BEGIN
          SELECT salary INTO salary FROM hr.employees WHERE employee_id = emp_id;
    IF salary IS NULL THEN
          ELSIF salary < 1000 THEN
          ELSIF salary BETWEEN 1000 AND 1500 THEN
              bonus := salary * 0.15;
              bonus := salary * 0.20;
          END IF;
          DBMS_OUTPUT.PUT_LINE('Bonus amount for employee ' || emp_id || ' is: ' || bonus);
      EXCEPTION
          WHEN NO DATA FOUND THEN
             DBMS_OUTPUT.PUT_LINE('No employee found with ID: ' | | emp_id);
          WHEN OTHERS THEN
              DBMS_OUTPUT.PUT_LINE('An error occurred: ' || SQLERRM);
Script Output X
📌 🥟 📊 🚇 属 🛘 Task completed in 2.677 seconds
END:
```

```
=======Task 2: Update Salary if Commission is Nu
    ■ DECLARE
         emp_id NUMBER := &emp_id;
          commission NUMBER;
         SELECT commission_pct INTO commission
          FROM hr.employees
          WHERE employee_id = emp_id;
    IF commission IS NULL THEN
              UPDATE hr.employees
              SET salary = salary + NVL(commission, 0)
              WHERE employee_id = emp_id;
              DBMS_OUTPUT_LINE('Salary updated for employee ' || emp_id);
          ELSE
              DBMS_OUTPUT.PUT_LINE('Commission is not null; no update performed.');
          END IF;
      EXCEPTION
          WHEN NO_DATA_FOUND THEN
             DBMS_OUTPUT.PUT_LINE('No employee found with employee ID ' || emp_id);
Script Output X
📌 🧽 🔚 볼 📘 | Task completed in 2.807 seconds
EXCEPTION
   WHEN NO_DATA_FOUND THEN
       DBMS_OUTPUT.PUT_LINE('No employee found with employee ID ' || emp_id);
END;
PL/SQL procedure successfully completed.
```

```
DECLARE

dept_name VARCHAR2(100);

BEGIN

SELECT department_name INTO dept_name

FROM hr.departments

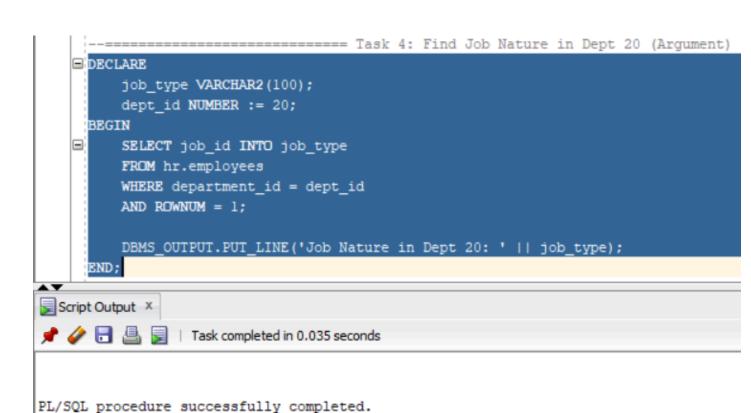
WHERE department_id = 30;

DBMS_OUTPUT.PUT_LINE('Department Name for Dept 30: ' || dept_name);

END;

Script Output ×

Script Output ×
```

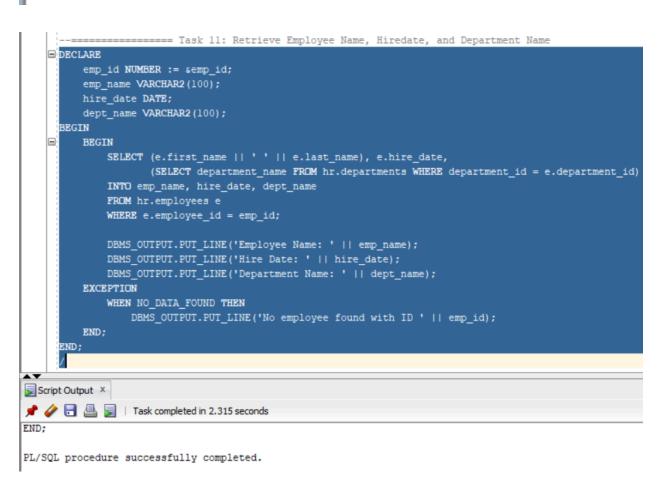


```
======== Task 6: Update Salary with 10% Increase
      GRANT UPDATE ON hr.employees TO homeuser;
    CREATE OR REPLACE PROCEDURE update_salary(emp_id IN NUMBER) IS
         UPDATE hr.employees
         SET salary = salary * 1.10
         WHERE employee_id = emp_id;
         DBMS_OUTPUT.PUT_LINE('Salary updated with 10% increase for employee ' || emp_id);
      END;
Script Output X
📌 🧼 🔚 🚇 📦 | Task completed in 0.07 seconds
Grant succeeded.
Procedure UPDATE SALARY compiled
LINE/COL ERROR
        PL/SQL: SQL Statement ignored
3/15
        PL/SQL: ORA-01031: insufficient privileges
Errors: check compiler log
```

```
======= Task 7: Add Rs.1000 to Salaries Above 5000 in Specific Dept
     GRANT UPDATE ON hr.employees TO homeuser;
   CREATE OR REPLACE PROCEDURE add_bonus_to_dept(dept_id IN NUMBER) IS
        UPDATE hr.employees
         SET salary = salary + 1000
        WHERE salary > 5000 AND department_id = dept_id;
         DBMS_OUTPUT.PUT_LINE('Added Rs.1000 to salaries in Dept ' || dept id || ' where salary > 5000');
     END;
Script Output X
🎤 🥜 🔒 💂 📗 | Task completed in 0.063 seconds
Grant succeeded.
Procedure ADD BONUS TO DEPT compiled
LINE/COL ERROR
       PL/SQL: SQL Statement ignored
       PL/SQL: ORA-01031: insufficient privileges
Errors: check compiler log
      --===Task 8: Create Views
        ========= a. Display Each Designation and Number of Employees
    CREATE VIEW hr.emp_designation_count AS
     SELECT job_id, COUNT(*) AS num_employees
      FROM hr.employees
       - ======== (Excluding 'King')
   CREATE VIEW hr.emp details excluding king AS
     SELECT e.employee id, e.first name, e.last name, e.department id, d.department name
     FROM hr.employees e
     JOIN hr.departments d ON e.department id = d.department id
     WHERE e.last_name != 'King';
      --=== c. Display Employee Details
    CREATE VIEW hr.emp_details AS
     SELECT e.employee_id, e.first_name, e.last_name, e.department_id, d.department_name
     FROM hr.employees e
     JOIN hr.departments d ON e.department id = d.department id;
Script Output X
📌 🥜 뒴 🖺 舅 | Task completed in 0.038 seconds
View HR.EMP DESIGNATION COUNT created.
```

```
CREATE VIEW hr.emp details excluding king AS
     SELECT e.employee_id, e.first_name, e.last_name, e.department_id, d.department_name
     FROM hr.employees e
     JOIN hr.departments d ON e.department_id = d.department_id
      WHERE e.last name != 'King';
Script Output X
🎤 🤣 🗐 🚇 属 | Task completed in 0.048 seconds
*Action:
View HR.EMP DETAILS EXCLUDING KING created.
     ----- c. Display Employee Details
   CREATE VIEW hr.emp details AS
     SELECT e.employee id, e.first name, e.last name, e.department id, d.department name
     FROM hr.employees e
     JOIN hr.departments d ON e.department_id = d.department_id;
Script Output X
📌 🥟 🖥 🚇 屢 | Task completed in 0.038 seconds
View HR.EMP_DETAILS created.
      -----Task 9: Add Two Inputs and Show Output-----
    DECLARE
         num1 NUMBER := &num1;
        num2 NUMBER := &num2;
         sum result NUMBER;
      BEGIN
         sum_result := numl + num2;
         DBMS_OUTPUT.PUT_LINE('The sum is: ' || sum_result);
      END;
Script Output X
🎤 🤣 🔚 💂 📗 | Task completed in 3.881 seconds
END:
```

```
!--====Between Two Boundaries
   ■ DECLARE
         lower_bound NUMBER := &lower_bound;
         upper bound NUMBER := &upper bound;
         sum_result NUMBER := 0;
     BEGIN
         FOR i IN lower bound .. upper bound LOOP
             sum_result := sum_result + i;
         END LOOP;
         DBMS_OUTPUT.PUT_LINE('The sum of numbers between ' || lower_bound
     END;
                          ale 11. Bothiono Emploneo Namo Winodato
Script Output X
📌 🥜 🔡 🖺 🔋 | Task completed in 3.948 seconds
END;
PL/SQL procedure successfully completed.
```



```
========Task 12: Check if Number is Palindrome
    DECLARE
         num NUMBER := #
         reverse num NUMBER := 0;
         temp NUMBER;
     BEGIN
         temp := num;
         WHILE temp > 0 LOOP
             reverse_num := (reverse_num * 10) + MOD(temp, 10);
             temp := FLOOR(temp / 10);
         END LOOP;
         IF num = reverse_num THEN
             DBMS_OUTPUT.PUT_LINE(num || ' is a palindrome.');
         ELSE
             DBMS_OUTPUT.PUT_LINE(num || ' is not a palindrome.');
         END IF;
      END;
Script Output X
📌 🧽 🖥 💂 📘 | Task completed in 2.731 seconds
END:
```

```
=======Task 13: Insert into Employee and Department Tables
    DECLARE
          emp_id NUMBER := &emp_id;
          emp_name VARCHAR2(100) := 'semp_name';
          last name VARCHAR2(100) := '&last name';
         dept id NUMBER := &dept id;
         dept_name VARCHAR2(100) := '&dept_name';
          salary NUMBER := &salary;
          job id VARCHAR2(10) := '&job id';
      BEGIN
          INSERT INTO hr.departments (department_id, department_name)
         VALUES (dept_id, dept_name);
          INSERT INTO hr.employees (employee_id, first_name, last_name, salary, department_id, job_id)
          VALUES (emp_id, emp_name, last_name, salary, dept_id, job_id);
          DBMS OUTPUT.PUT LINE('Inserted employee and department data successfully.');
      EXCEPTION
          WHEN DUP_VAL_ON_INDEX THEN
              DBMS_OUTPUT.PUT_LINE('Error: Duplicate value for a unique constraint.');
          WHEN OTHERS THEN
             DBMS_OUTPUT.PUT_LINE('An error occurred: ' || SQLERRM);
      END;
Script Output X
📌 🤌 🔒 💂 🔋 | Task completed in 7.915 seconds
END:
```

```
DECLARE

emp_id NUMBER := 90;
found BOOLEAN := FALSE;
emp_salary NUMBER;
BEGIN

FOR emp IN (SELECT employee_id, salary FROM hr.employees WHERE salary > 2500 ORDER BY manager_id NULLS FIRST) LOOP

IF NOT found THEN

DEMS_OUTPUT.FUT_LINE('First employee with salary over $2500 in chain: ' || emp.employee_id);
found := TRUE;
END IF;
END LOOP;
END;

Script Output x

PL/SQL procedure successfully completed.
```

```
DECLARE

sum_result NUMBER := 0;

BEGIN

FOR i IN 1..100 LOOP

sum_result := sum_result + i;

END LOOP;

DBMS_OUTPUT.PUT_LINE('The sum of the first 100 numbers is: ' || sum_result);

END;

Script Output ×

A B I Task completed in 0.031 seconds
```