Рабочая тетрадь №1

База данных: ***Oracle***

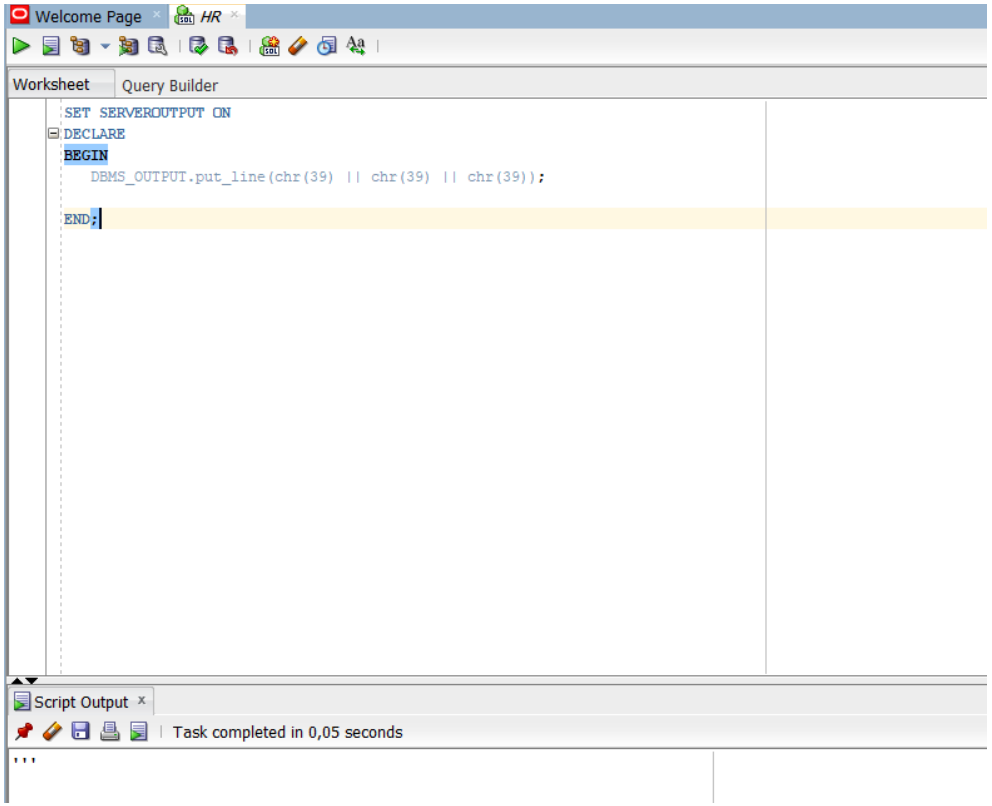
Рабочая тетрадь №1

Основные требования:

- *Выполнение команд производится в терминале или в графическом редакторе*
- *Результат работы команды предоставляется в виде скриншота*
- *Оформление ведется в удобном текстовом редакторе*

- *Рабочие тетради должны предоставляться на проверку в формате .pdf*

Рабочая тетрадь №1



Рабочая тетрадь №1

2,70700002 seconds

Worksheet | Query Builder

```
SET SERVEROUTPUT ON
DECLARE
 x varchar2(100);
 y varchar2(100);
 z varchar2(100);
BEGIN
SELECT '&Введите_значение' INTO x FROM dual;
SELECT '&Введите_значение' INTO y FROM dual;
z := sqrt(x*x + y*y);
DBMS_OUTPUT.put_line('Значение 1-го катета = ' || x);
DBMS_OUTPUT.put_line('Значение 2-го катета = ' || y);
DBMS_OUTPUT.put_line('Значение гипотенузы = ' || z);
END;
```

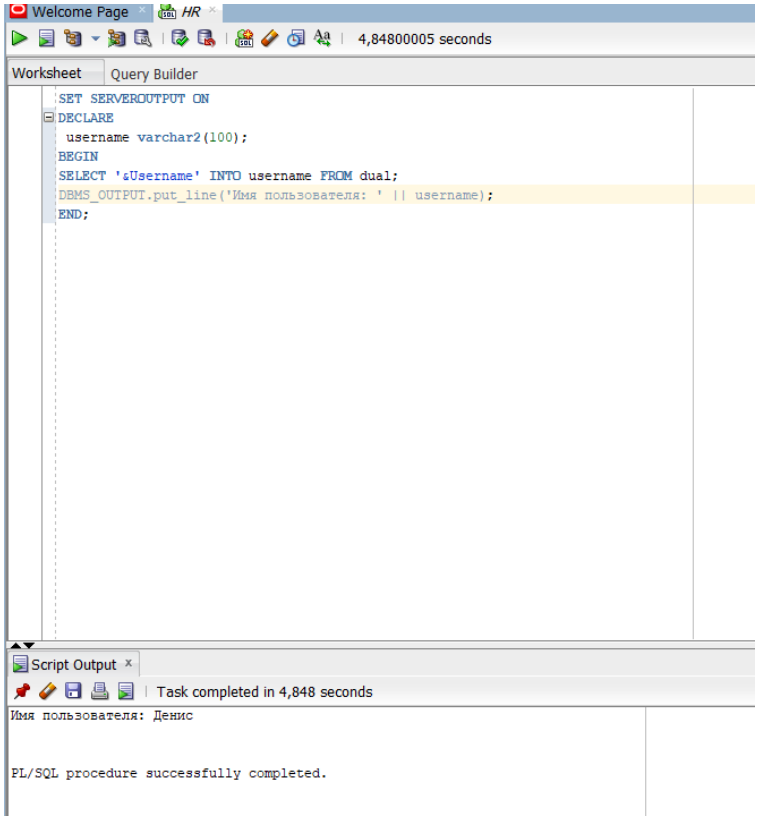
Script Output

Task completed in 2,707 seconds

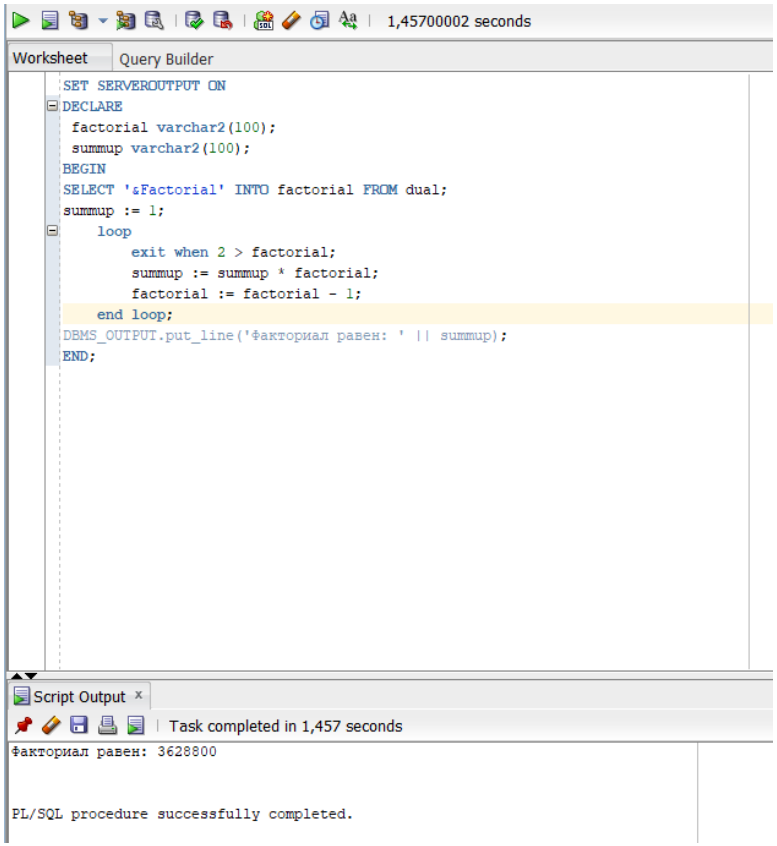
```
Значение 1-го катета = 3
Значение 2-го катета = 4
Значение гипотенузы = 5


PL/SQL procedure successfully completed.
```

Рабочая тетрадь №1



Рабочая тетрадь №1



Рабочая тетрадь №1

SQL Worksheet History

Worksheet Query Builder

```
set SERVEROUTPUT ON
Declare
    var_salary hr.employees.salary%type;
    var_name hr.employees.first_name%type;
    var_surname hr.employees.last_name%type;
    var_maxid hr.employees.employee_id%type;
    var_minid hr.employees.employee_id%type;
Begin
    Select max(employee_id) into var_maxid from employees;
    Select min(employee_id) into var_minid from employees;
    Loop
        exit when var_minid > var_maxid;
        select salary into var_salary from hr.employees e where e.employee_id = var_minid;
       if var_salary > 10000 then
        select first_name into var_name from hr.employees e where e.employee_id = var_minid;
        select last_name into var_surname from hr.employees e where e.employee_id = var_minid;
        dbms_output.put_line(var_name || ' ' || var_surname);
       end if;
       var_minid := var_minid + 1;
   end loop;
end;
```

Script Output

Task completed in 0,074 seconds

```
Eleni Zlotkey
Clara Vishney
Lisa Ozer
Ellen Abel
Michael Hartstein
Shelley Higgins
```

Рабочая тетрадь №1

Worksheet | Query Builder

```
set SERVEROUTPUT ON
Declare
    var_depindex hr.employees.department_id%type;
    var_selectindex hr.employees.department_id%type;
    var_index hr.employees.department_id%type;
    var_sumsalary hr.employees.salary%type;
    var_sum hr.employees.salary%type;
    var_salary hr.employees.salary%type;
    var_maxid hr.employees.employee_id%type;
    var_minid hr.employees.employee_id%type;
    var_counter hr.employees.employee_id%type;
Begin
    Select max(employee_id) into var_maxid from employees;
    Select min(employee_id) into var_minid from employees;
    var_counter := var_minid;
    var_sum := 0;
    var_sumsalary := 0;
    var_selectindex := 0;
    loop
    exit when var_counter > var_maxid;
    select department_id into var_depindex from employees e where e.employee_id = var_minid;
    if var_depindex != var_selectindex then
    var_sum := 0;
    Loop
        exit when var_minid > var_maxid;
        select department_id into var_index from employees e where e.employee_id = var_minid;
        if var_index = var_depindex then
        select salary into var_salary from hr.employees e where e.employee_id = var_minid;
        var_sum := var_sum + var_salary;
        end if;
        var_minid := var_minid + 1;
    end loop;
    end if;
```

Worksheet | Query Builder

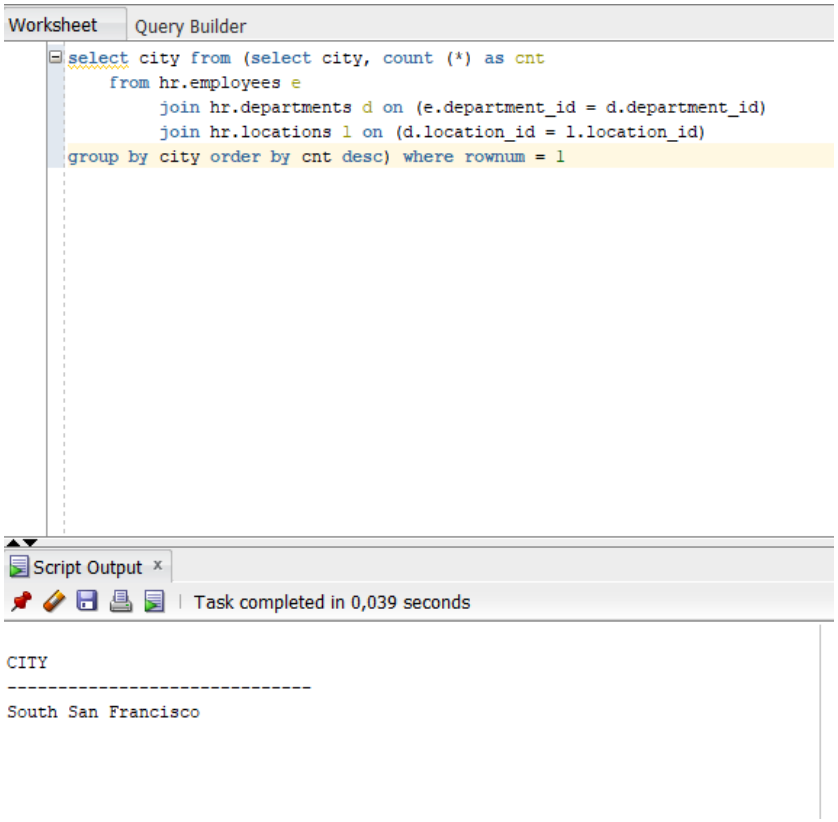
```
    var_minid hr.employees.employee_id%type;
    var_counter hr.employees.employee_id%type;
Begin
    Select max(employee_id) into var_maxid from employees;
    Select min(employee_id) into var_minid from employees;
    var_counter := var_minid;
    var_sum := 0;
    var_sumsalary := 0;
    var_selectindex := 0;
    loop
    exit when var_counter > var_maxid;
    select department_id into var_depindex from employees e where e.employee_id = var_minid;
    if var_depindex != var_selectindex then
    var_sum := 0;
    Loop
        exit when var_minid > var_maxid;
        select department_id into var_index from employees e where e.employee_id = var_minid;
        if var_index = var_depindex then
        select salary into var_salary from hr.employees e where e.employee_id = var_minid;
        var_sum := var_sum + var_salary;
        end if;
        var_minid := var_minid + 1;
    end loop;
    end if;
    var_counter := var_counter + 1;
    var_minid := var_counter;
    if var_sum > var_sumsalary then
    var_sumsalary := var_sum;
    var_selectindex := var_depindex;
    end if;
    end loop;
    dbms_output.put_line('Самый дорогостоящий отдел по получаемой зарплате сотрудников, с ID : ' || var_selectindex);
end;
```

Script Output | Task completed in 0,141 seconds

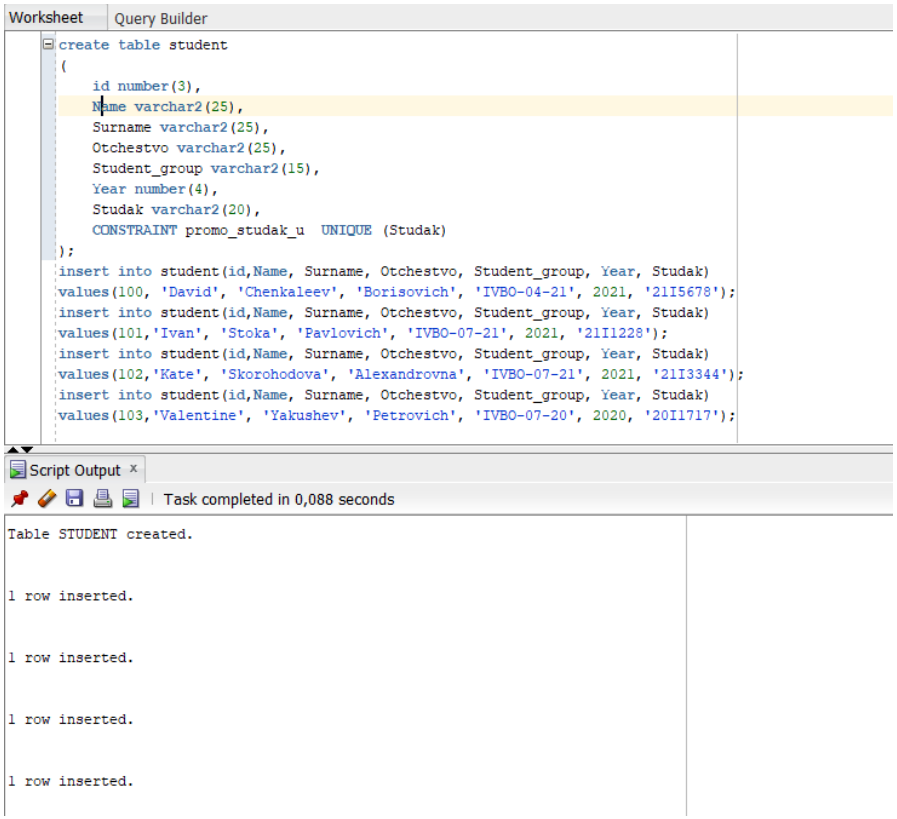
```
Самый дорогостоящий отдел по получаемой зарплате сотрудников, с ID : 80


PL/SQL procedure successfully completed.
```

Рабочая тетрадь №1



Рабочая тетрадь №1



Рабочая тетрадь №1