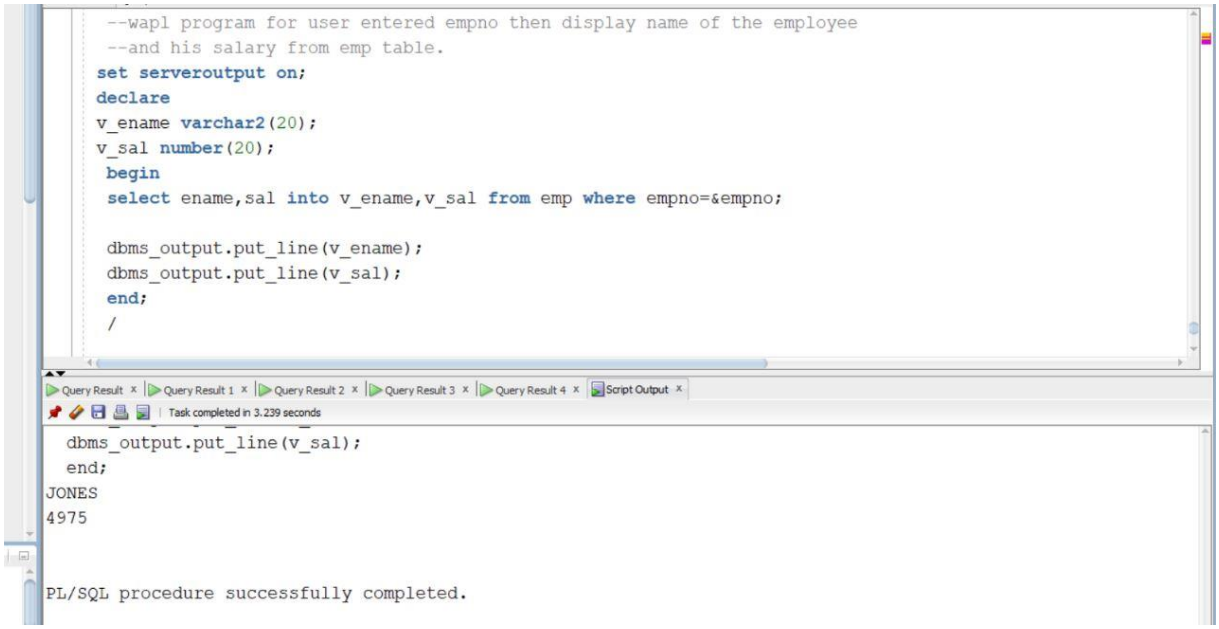
---------- PL/SQL Assignment day 1 ----------

1) Write PL/SQL Program for user entered employee number(Dynamic Input) then display name of the employee and his salary from employee table.



```
--wapl program for user entered empno then display name of the employee
--and his salary from emp table.
set serveroutput on;
declare
v_ename varchar2(20);
v_sal number(20);
 begin
 select ename,sal into v_ename,v_sal from emp where empno=&empno;

 dbms_output.put_line(v_ename);
 dbms_output.put_line(v_sal);
 end;
 /
```

Query Result | Query Result 1 | Query Result 2 | Query Result 3 | Query Result 4 | Script Output

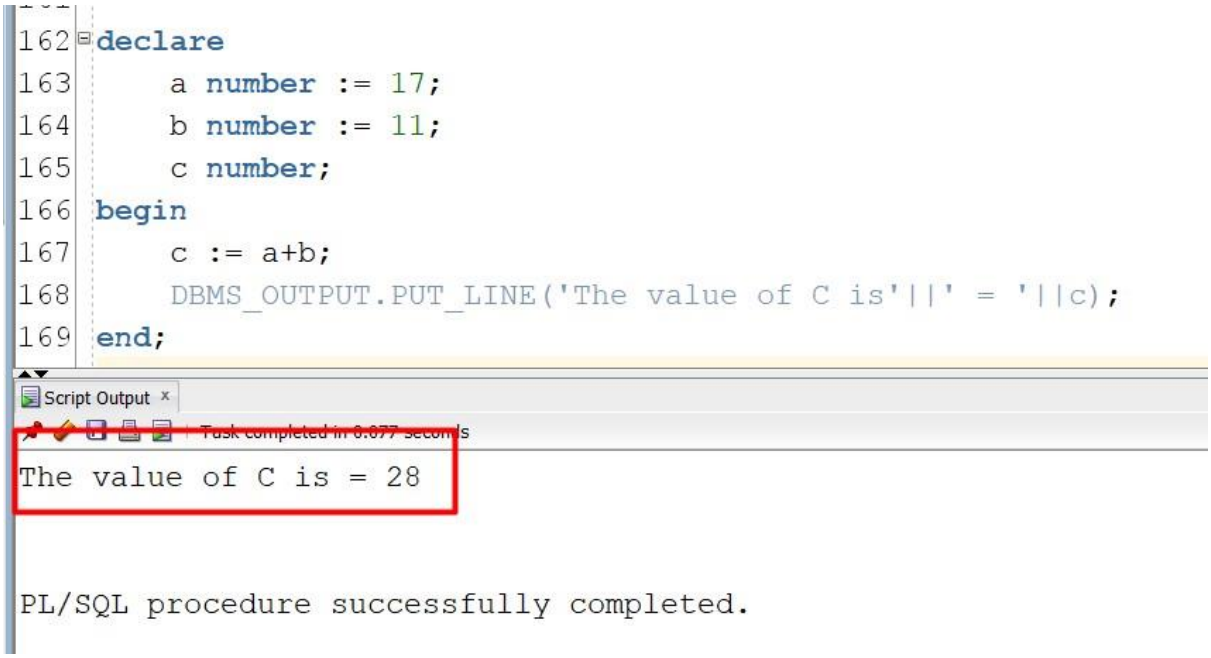
Task completed in 3.239 seconds

```
dbms_output.put_line(v_sal);
end;
JONES
4975


PL/SQL procedure successfully completed.
```

2)Find the value of C using pl/sql code.

a = 17 , b = 11 , c is sum of a and b.



```
declare
    a number := 17;
    b number := 11;
    c number;
begin
    c := a+b;
    DBMS_OUTPUT.PUT_LINE('The value of C is'||' = '||c);
end;
```

Script Output

Task completed in 0.077 seconds

```
The value of C is = 28


PL/SQL procedure successfully completed.
```

3) Write PL/SQL program maximum salary from employee table and store it into PL/SQL variable and dispaly max salary.

```
declare
--    v_ename emp.ename%type;
    v_maxsalary emp.sal%type;
begin
    select round(max(sal),0)
    into v_maxsalary from emp;

    DBMS_OUTPUT.PUT_LINE('Maximum Salary is '||' '||v_maxsalary);
end;
```

```
Script Output
Task completed in 0.055 seconds
Maximum Salary is  26000


PL/SQL procedure successfully completed.
```

4) Write PL/SQL Program for user entered employee number (Dynamic Input) then display name of the employee and his department name and his salary from employee table and department table using %type.

```
Worksheet  Query Builder
declare
    v_empno emp.empno%type;
    v_empname emp.ename%type;
    v_deptname dept.dname%type;
    v_salary emp.sal%type;
begin
    select e.empno, e.ename,e.sal, d.dname
    into v_empno,v_empname,v_salary,v_deptname
    from emp e, dept d
    where e.deptno = d.deptno
    and e.empno = :n;
    dbms_output.put_line('Employee Name is '||' '|| v_empname);
    dbms_output.put_line('Employee department name is '||' '|| v_deptname);
    dbms_output.put_line('Employee salary is '||' '|| v_salary);
end;
```

```
Script Output  Query Result  Query Result 1
Task completed in 0.061 seconds
Employee Name is  SMITH
Employee department name is  RESEARCH
Employee salary is  26000


PL/SQL procedure successfully completed.
```

5) Write PL/SQL Program for user entered student number (Dynamic Input) then display name of the student and his department code from student table using %rowtype.

```
/*5) Write PL/SQL Program for user entered student number (Dynamic Input)
then display name of the student and his department code from student table using %rowtype.
*/

declare
    v_student_name students%rowtype;
begin
    select st_name,dept_id
    into v_student_name.st_name,v_student_name.dept_id
    from students
    where st_id = :a;
    dbms_output.put_line ('Name of the student is '|| v_student_name.st_name);
    dbms_output.put_line('Dept number of the student '||v_student_name.dept_id );
end;
```

```
Script Output | Query Result | Query Result 1
Task completed in 0.091 seconds

Name of the student is John
Dept number of the student 101


PL/SQL procedure successfully completed.
```

6) Print all Employee info using plsql .

7) Print employee info with DEPT and Annual sal.

---------- PL/SQL Assignment ----------

1) print a message if a given alphabet is present in English vowels (A, E, I, O, U)(Note : Use dynamic input).

```
declare
    v_input varchar2(20):= :n;
begin

    if v_input in ('A','E','I','O','U') then
    dbms_output.put_line('Hello you entred a vowel letter');
    end if;
end;
```

```
Script Output | Query Result
Task completed in 0.047 seconds

Hello you entred a vowel letter


PL/SQL procedure successfully completed.
```

2) print the grade based on the given marks with else condition (mark >= 70 Grade A, mark >=40 and mark<70 Grade B, mark >=35 and mark<40 Grade C, else 'No Grade')(Note : Use dynamic input).

```
declare
    v_mark number := :nom;
begin
    if v_mark >=70 then
    dbms_output.put_line('Grade A');
    elsif (v_mark <=70) and (v_mark >=40)then
    dbms_output.put_line('Grade B');
    elsif (v_mark <=40) and (v_mark >=35) then
    dbms_output.put_line('Grade C');
    else
    dbms_output.put_line('No grade');
    end if;
end;
```

Script Output | Query Result

Task completed in 0.036 seconds

```
Grade B


PL/SQL procedure successfully completed.
```

3) print the greatest of three numbers (i.e Number= 10,15 and 20 and the maximum number will be fetched).

```
declare
    a number := 10;
    b number := 15;
    c number := 20;
begin
    if a>b and a>c then
    dbms_output.put_line('The greatest number is '||a);
    elsif b>a and b>c then
    dbms_output.put_line('The greatest number is '||b);
    else
    dbms_output.put_line('The greatest number is '||c);
    end if;
end;
```

Script Output | Query Result

Task completed in 0.056 seconds

```
The greatest number is 20


PL/SQL procedure successfully completed.
```

4) Print employee name and increment his salary follow by below pattern

Job = Manger ---> Increment salary 58%

Job = Analyst ---> Increment salary 35%

Job = Clerk---> Increment salary 10%

(Dont use Insert or update statements).

5) Print department id follow by below pattern

deptid = 10 then print 'Ten' deptid = 20 then print 'Twenty'

deptid = 30 or other values print ' Others'(Note : Use dynamic input).

```
declare
    v_deptid number:= :n;
begin
    if v_deptid = 10 then
    dbms_output.put_line('Ten');
    elsif v_deptid = 20 then
    dbms_output.put_line('Twenty');
    else
    dbms_output.put_line('Others');
    end if;
end;
```