

# Adatbázis Rendszerek 2

## Jegyzőkönyv

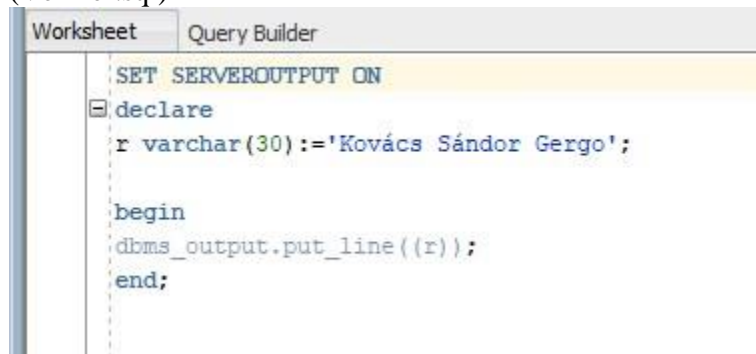
2022.03.16 gyakorlat

Szerző: Kovács Sándor Gergő

Neptunkód: C00KSI

Tárgyfelelős: Dr. Bednarik László

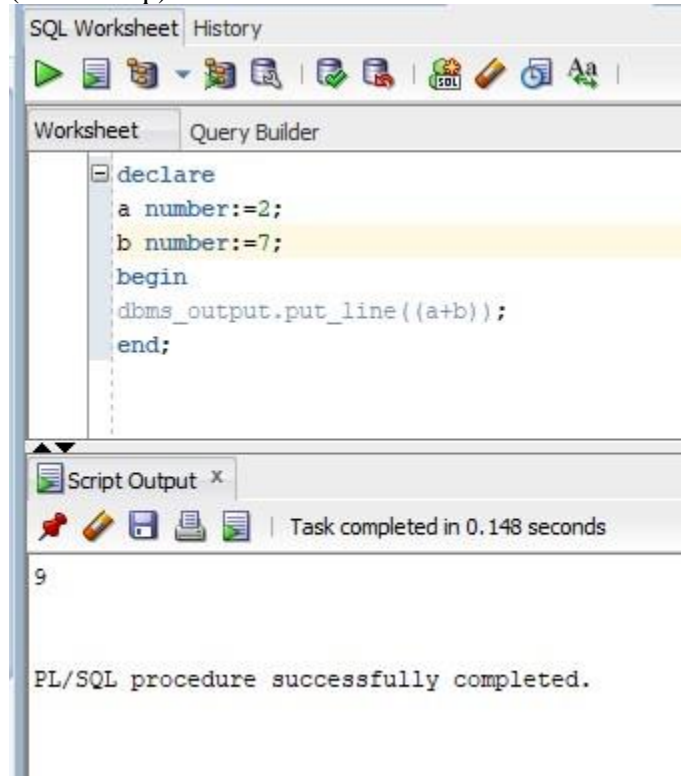
1. Írjon egy olyan PL/SQL programot, ami kiírja a kimenetre, hogy "Vezetéknév Keresztnév"! (VezKer.sql)



```
Worksheet Query Builder
SET SERVEROUTPUT ON
declare
r varchar(30):='Kovács Sándor Gergo';

begin
dbms_output.put_line((r));
end;
```

2. Írjon egy olyan PL/SQL programot, amely összead két számot és kiírja a kimenetre! (osszead.sql)



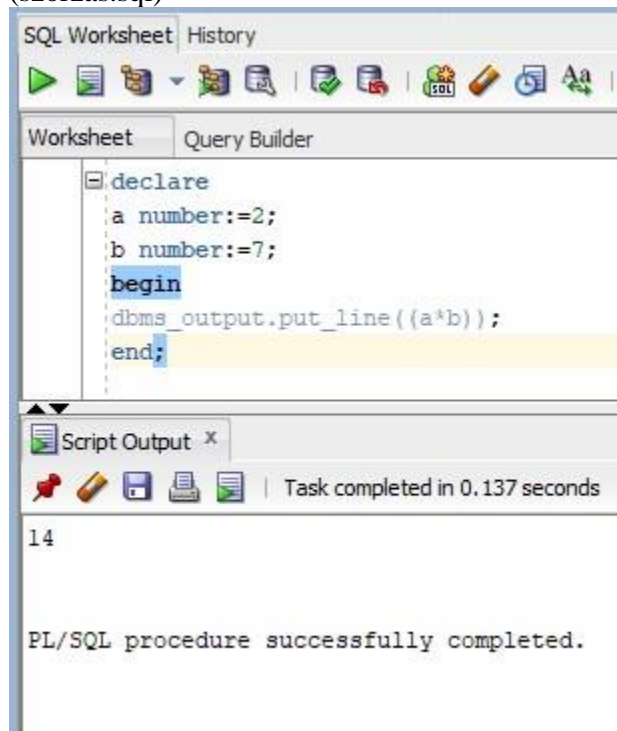
```
SQL Worksheet History
Worksheet Query Builder
declare
a number:=2;
b number:=7;
begin
dbms_output.put_line((a+b));
end;
```

Script Output x  
Task completed in 0.148 seconds

9

PL/SQL procedure successfully completed.

3. Írjon egy olyan PL/SQL programot, amely összeszoroz két számot és kiírja a kimenetre! (szorzas.sql)



The screenshot shows the SQL Worksheet interface. The main window contains the following PL/SQL code:

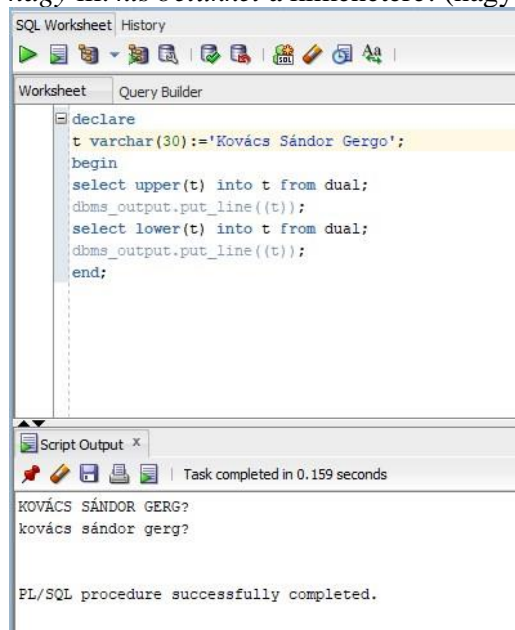
```
declare
  a number:=2;
  b number:=7;
begin
  dbms_output.put_line(a*b);
end;
```

Below the code editor, the 'Script Output' window displays the result of the execution:

```
14

PL/SQL procedure successfully completed.
```

4. Írjon egy olyan PL/SQL programot, amely kiírja a "Vezetéknév Keresztnév" szöveget *csupa nagy ill. kis betűkkel* a kimenetére! (nagybetu.sql)



The screenshot shows the SQL Worksheet interface. The main window contains the following PL/SQL code:

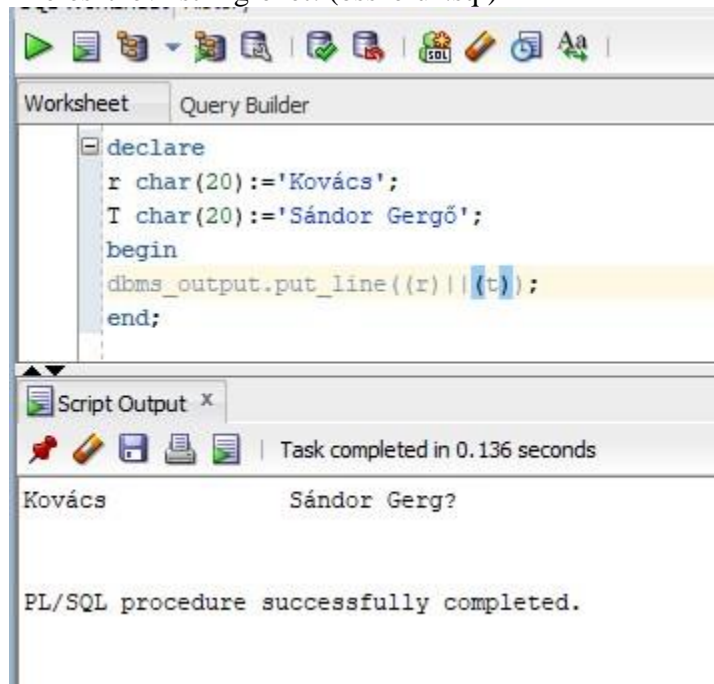
```
declare
  t varchar(30):='Kovács Sándor Gergo';
begin
  select upper(t) into t from dual;
  dbms_output.put_line(t);
  select lower(t) into t from dual;
  dbms_output.put_line(t);
end;
```

Below the code editor, the 'Script Output' window displays the result of the execution:

```
KOVÁCS SÁNDOR GERG?
kovács sándor gerg?
```

PL/SQL procedure successfully completed.

5. Írjon egy olyan PL/SQL programot, amely összefűzve kiírja a kimenetére a "Vezetéknév " és a "Keresztnév" string-eket! (összefuz.sql)



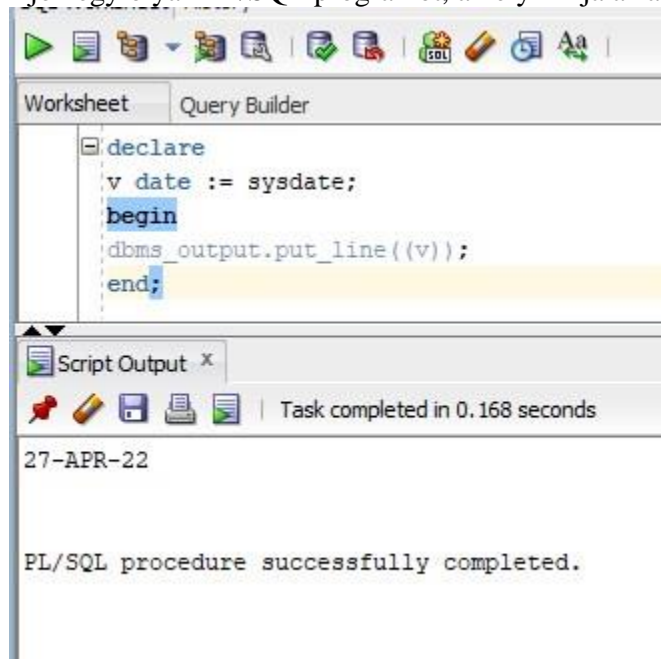
The screenshot shows the SQL Developer interface. The top toolbar includes icons for running, saving, and other database operations. Below the toolbar, there are two tabs: "Worksheet" and "Query Builder". The "Worksheet" tab is active, displaying a PL/SQL script. The script declares two variables, 'r' and 't', as character strings of length 20. 'r' is assigned the value 'Kovács' and 't' is assigned 'Sándor Gergő'. The script then uses 'dbms\_output.put\_line' to concatenate the two strings with a space and a question mark. The output window, titled "Script Output", shows the result of the execution: "Kovács Sándor Gerg?". Below the output, a message states "PL/SQL procedure successfully completed." and the execution time is noted as "Task completed in 0.136 seconds".

```
declare
  r char(20):='Kovács';
  t char(20):='Sándor Gergő';
begin
  dbms_output.put_line(r||' '||t);
end;
```

Kovács Sándor Gerg?

PL/SQL procedure successfully completed.

6. Írjon egy olyan PL/SQL programot, amely kiírja az aktuális rendszeridőt! (sysdate.sql)



The screenshot shows the SQL Developer interface. The top toolbar includes icons for running, saving, and other database operations. Below the toolbar, there are two tabs: "Worksheet" and "Query Builder". The "Worksheet" tab is active, displaying a PL/SQL script. The script declares a variable 'v' of type 'date' and assigns it the value of 'sysdate'. The script then uses 'dbms\_output.put\_line' to output the value of 'v'. The output window, titled "Script Output", shows the result of the execution: "27-APR-22". Below the output, a message states "PL/SQL procedure successfully completed." and the execution time is noted as "Task completed in 0.168 seconds".

```
declare
  v date := sysdate;
begin
  dbms_output.put_line(v);
end;
```

27-APR-22

PL/SQL procedure successfully completed.

7. Írjon egy olyan PL/SQL programot, amely kiírja a rendszeridőt 'YYYY-MM-DD' formátumban! (sysdate1.sql)

```
declare
l_seed char(100);
begin
l_seed := to_char(SYSTIMESTAMP, 'YYYY-MM-DD');
dbms_output.put_line(l_seed);
end;
```

Script Output x

Task completed in 0.178 seconds

2022-04-27

PL/SQL procedure successfully completed.

8. Számítsa ki a kör területét, ha az  $r=12$ . (kor.sql)

```
SQL Worksheet History
declare
pi constant number:=3.14;
r number:=12;
t number;
begin
t := r*r*pi;
dbms_output.put_line((t));
end;
```

Script Output x

Task completed in 0.124 seconds

706.5

PL/SQL procedure successfully completed.