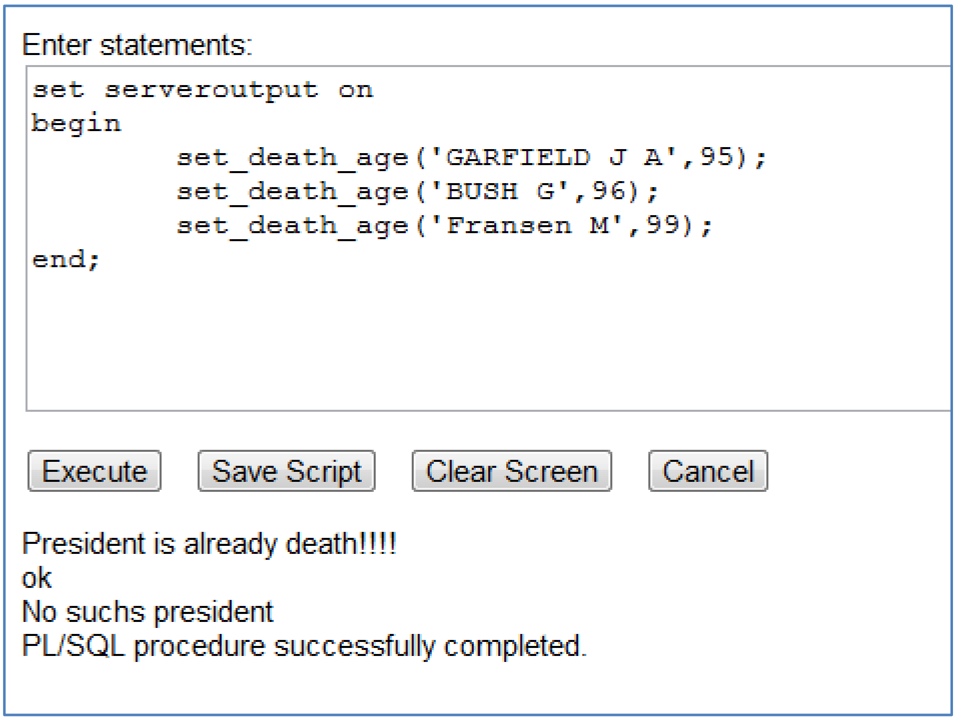
SET 4 – Stored procedures

Exercises / assignments

For all exercises:
Create the stored procedure *and* an anonymous PL/SQL block which calls the stored procedure.

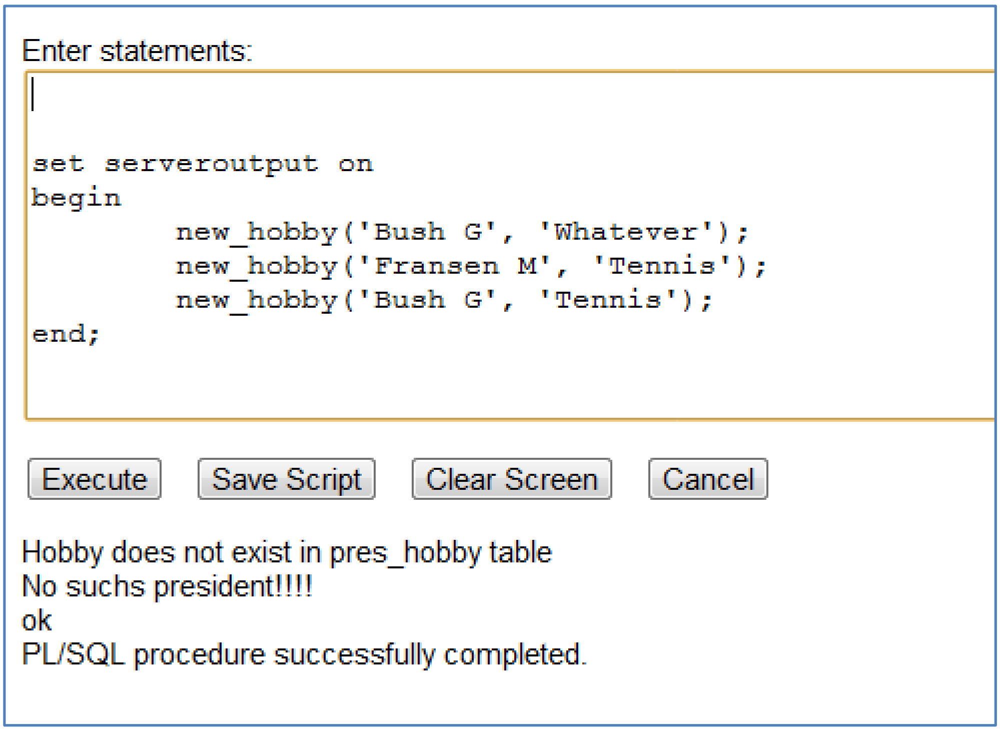
1. Create a procedure by which the age of death of an existing president is entered. If the president is already deceased, a warning message should be given and the age of death should not be modified.



```
set serveroutput on
begin
        set_death_age('GARFIELD J A',95);
        set_death_age('BUSH G',96);
        set_death_age('Fransen M',99);
end;
```

```
President is already death!!!!
ok
No suchs president
PL/SQL procedure successfully completed.
```

2. Create a procedure by which an existing president takes up a new hobby. If the hobby does not yet occur in the table, a warning message should be given and the hobby should not be added. The use of an exception handler is mandatory!



```
set serveroutput on
begin
        new_hobby('Bush G', 'Whatever');
        new_hobby('Fransen M', 'Tennis');
        new_hobby('Bush G', 'Tennis');
end;
```

```
Hobby does not exist in pres_hobby table
No suchs president!!!!
ok
PL/SQL procedure successfully completed.
```

3. Create a stored function called **AGE_PRESIDENT** that returns the age of the president at the time of his inauguration. Use this function in the following select statement:

   SELECT a. , AGE_PRESIDENT(pres_name,year_inaugurated) age*
   FROM administration a;

4. Create a select statement that displays the source code of the function AGE_PRESIDENT you just created in exercise 3.

5. **[optional exercise]**
   Create a procedure that places the names of all presidents who were born in one specific state, in a temporary table. Display the contents of this table.