

Creación del procedimiento:

```
CREATE DEFINER='root'@'localhost' PROCEDURE `ciudades_del_pais`(in p_Nombre_Pais char(35), out p_numCiudades int)
    DETERMINISTIC
> BEGIN
    DECLARE nombrep varchar(40);
    DECLARE nombrec varchar(40);
    DECLARE control integer default 0;
    #DECLARE p_numCiudades integer default 0;
    declare cursor_Ciudades cursor for
        select a.name from city a
        join country b on a.CountryCode = b.code
        where b.name=p_Nombre_Pais;
    declare exit handler for not found set control = 1;
    set p_numCiudades = 0;
    open cursor_Ciudades;
    WHILE control != 1 DO
        fetch cursor_Ciudades into nombrec;
        set p_numCiudades = p_numCiudades+1;
        select nombrec,p_numCiudades;
    END WHILE;
    close cursor_Ciudades;
    #RETURN p_numCiudades;
END
```

Funcionamiento con IRLANDA:

```
mysql> call ciudades_del_pais('Ireland',@p_numCiudades);#J.V.Z.
+-----+
| Ciudad |
+-----+
| Dublin |
+-----+
1 row in set (0.00 sec)

+-----+
| Ciudad |
+-----+
| Cork   |
+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> select @p_numCiudades;
+-----+
| @p_numCiudades |
+-----+
|                2 |
+-----+
1 row in set (0.00 sec)
```

Funcionamiento con PORTUGAL:

```
mysql> call ciudades_del_pais('Portugal',@p_numCiudades);#J.V.Z.
+-----+
| Ciudad |
+-----+
| Lisboa |
+-----+
1 row in set (0.01 sec)

+-----+
| Ciudad |
+-----+
| Porto  |
+-----+
1 row in set (0.01 sec)

+-----+
| Ciudad |
+-----+
| Amadora|
+-----+
1 row in set (0.01 sec)

+-----+
| Ciudad |
+-----+
| Coimbra|
+-----+
1 row in set (0.02 sec)

+-----+
| Ciudad |
+-----+
| Braga  |
+-----+
1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)
```

```
+-----+
| Ciudad |
+-----+
| Braga  |
+-----+
1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> select @p_numCiudades;
+-----+
| @p_numCiudades |
+-----+
|                5 |
+-----+
1 row in set (0.00 sec)
```

Funcionamiento con ANDORRA:

```
mysql> call ciudades_del_pais('Andorra',@p_numCiudades);#J.V.Z.
+-----+
| Ciudad |
+-----+
| Andorra la Vella |
+-----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> select @p_numCiudades;
+-----+
| @p_numCiudades |
+-----+
|                1 |
+-----+
1 row in set (0.00 sec)
```