

Article

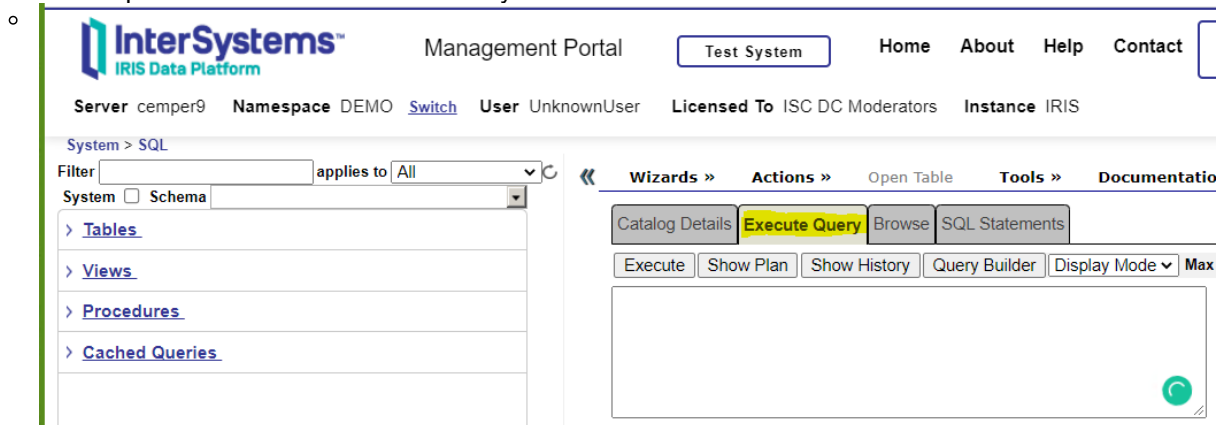
[Robert Cemper](#) · May 22, 2022 1m read

Debugging Trick with SQL

I'm sure you have met this situation:

- There is a bug in a System that you can't reproduce yourself locally
- You need to run a few lines in the affected instance
- You get full access to System Management Portal
- But there is just no terminal, nor console, nor access with Studio, Atelier or VSCode
- How to run your few lines for testing ???

- Enter SMP / Explorer / SQL tab= Execute Query



- Now create a Stored Procedure with any Code you need
 - There is no limit for complexity. I just do a simple one with a predictable result.

```
◦ CREATE PROCEDURE RUN.ISOS()  
  LANGUAGE OBJECTSCRIPT  
  {  
    For i=1:1:20 write i," > "  
    Write "<br>THANKS !"  
  }
```

- You click EXECUTE and see a new Procedure
 -

InterSystems™ IRIS Data Platform Management Portal

Server: cemper9 Namespace: DEMO User: UnknownUser Licensed To: ISC DC Moderators Instance: IRIS

System > SQL

Filter: RUN.* applies to: All

System ☐ Schema: RUN

Tables Views Procedures **RUN.ISOS** Cached Queries

Wizards Actions Open Table Tools

Catalog Details **Execute Query** Browse SQL Statements

Execute Show Plan Show History Query Builder Dis

```
CREATE PROCEDURE RUN.ISOS()
LANGUAGE OBJECTSCRIPT
{
  For i=1:1:20 write i, " > "
  Write "<br>THANKS !"
}
```

- Next, you examine this fresh Procedure and execute it

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Filter: RUN.* applies to: All

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Catalog Details Execute Query Browse SQL Statements

Procedure: RUN.ISOS ☒ Stored procedure Info ☐ Stored Procedure's

Class Name	RUN.procISOS Class Document
Procedure Type	function
Method or Query Name	ISOS Run Procedure
Description	
Number of Input Parameters	0

- Another Execute activates it

Run Stored Procedure

Stored procedure ISOS in namespace DEMO

RUN.procISOS : ISOS

Run Procedure

- and this is the result

Run Stored Procedure

Stored procedure ISOS in namespace DEMO

RUN.procISOS : ISOS

Run Procedure 1 > 2 > 3 > 4 > 5 > 6 > 7 > 8 > 9 > 10 > 11 > 12 > 13 > 14 > 15 > 16 > 17 > 18 > 19 > 20 > THANKS !

Returned value: 1

-
- and as a well-educated specialist, you clean up your environment when you are done
 - DROP PROCEDURE RUN.ISOS
 -

I hope that helps you at some future point in time.

[Documentation](#)

[#Best Practices](#) [#Other](#)

Source URL: <https://community.intersystems.com/post/debugging-trick-sql>