
Question[Patrik Spisak](#) · Nov 4, 2022

Recursive ClassMethod

How do I create recursive classmethod which stop all methods from running when condition are meet?

```
ClassMethod workpieceUnit(mainArticle As %String, article As %String) As %String
{

    &SQL(SELECT unit->unitCode INTO :unitCode FROM
    production_article.composition WHERE
    mainArticle = :mainArticle AND article = :article)

    IF SQLCODE = 0
    {
        W !, "Has Value"
        QUIT unitCode
    }
    ELSE
    {
        SET sql =
        "SELECT article, unit->unitCode,  production_article.composition_sqlArticleCode(artic
        le,
        type)
        AS articleC
        ode FROM production_arti
        cle.composition WHERE mainArticle = "_mainArticle_" AND type = 1",
        rs = ##class(%SQL.Statement).%ExecDirect(,sql)

        WHILE rs.%Next()
        {
            W !, "BEGENING OF LOOP FOR: "_rs.articleCode
            IF (rs.article = article)
            {
                SET unitCode = rs.unitCode
                QUIT
            }

            // CHECK IF WORKPIECE HAS COMPOSITION
            &SQL(SELECT COUNT(*)
            ) INTO :composition FROM production_article.composition WHERE mainArticle = :rs.artic
            le)

            IF (composition > 0)
            {
                W !, "START RECURSIVE"
                DO ..workpieceUnit(rs.article, article)
            }
        }

        W !, "END OF LOOP"
        QUIT unitCode
    }
}
```

```
}  
  
QUIT  
}
```

Output from terminal. As you can see recursive still continue even has value condition is true. So once has value is TRUE all recursive should stop. For other programming language is enough to call RETURN, but this have no impact in IRIS.

```
BEGENING OF LOOP FOR: H2652.S  
START RECURSIVE  
BEGENING OF LOOP FOR: MQ0605.B  
END OF LOOP  
BEGENING OF LOOP FOR: H2641.B  
BEGENING OF LOOP FOR: M1910.15.40  
BEGENING OF LOOP FOR: GK6202  
BEGENING OF LOOP FOR: GK6201.B  
BEGENING OF LOOP FOR: IX08.0925  
START RECURSIVE  
END OF LOOP  
BEGENING OF LOOP FOR: XQA1.AI12.1425.1020.C  
START RECURSIVE  
BEGENING OF LOOP FOR: XAL446.1250.1.AI12.L.A  
START RECURSIVE  
BEGENING OF LOOP FOR: AL446.1255  
END OF LOOP  
BEGENING OF LOOP FOR: XAL446.1250.1.AI12.R.A  
START RECURSIVE  
BEGENING OF LOOP FOR: AL446.1255  
END OF LOOP  
BEGENING OF LOOP FOR: AL448.1024  
BEGENING OF LOOP FOR: XAL447.0970.A  
START RECURSIVE  
BEGENING OF LOOP FOR: AL447.0975  
END OF LOOP  
BEGENING OF LOOP FOR: H2640.A  
BEGENING OF LOOP FOR: H2641.C  
BEGENING OF LOOP FOR: H2650.A  
BEGENING OF LOOP FOR: H2701.1020  
BEGENING OF LOOP FOR: XAL465.1110.A0  
START RECURSIVE  
Has Value  
BEGENING OF LOOP FOR: XAL465.1110.A1  
START RECURSIVE  
BEGENING OF LOOP FOR: XAL465.1110.A0  
START RECURSIVE  
Has Value  
END OF LOOP  
BEGENING OF LOOP FOR: XAL465.1110.A2  
START RECURSIVE  
BEGENING OF LOOP FOR: XAL465.1110.A0  
START RECURSIVE  
Has Value  
END OF LOOP  
BEGENING OF LOOP FOR: H2707.R.S  
START RECURSIVE
```

Recursive ClassMethod

Published on InterSystems Developer Community (<https://community.intersystems.com>)

```
BEGENING OF LOOP FOR: H2707  
BEGENING OF LOOP FOR: H2698  
BEGENING OF LOOP FOR: H2697  
END OF LOOP  
BEGENING OF LOOP FOR: H2707.L.S  
START RECURSIVE  
BEGENING OF LOOP FOR: H2707  
BEGENING OF LOOP FOR: H2698  
BEGENING OF LOOP FOR: H2697  
END OF LOOP  
END OF LOOP  
END OF LOOP
```

[#InterSystems IRIS](#)

Product version: IRIS 2022.1

\$ZV: 2022.1 (209U)

Source URL: <https://community.intersystems.com/post/recursive-classmethod>