
Article

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Calculate class or package length in sloc

Here's a code snippet to calculate the length of a class or a package in lines of code:

```
ClassMethod ProjectLength(Mask As %String = "%Package%")
{
    Set count = 0
    Set sql = "SELECT Name "_
              "FROM %Dictionary.ClassDefinition "_
              "WHERE NOT Name %STARTSWITH '%sqlcq' AND Name LIKE ? AND GeneratedBy
IS NULL"
    Set rset = ##class(%SQL.Statement).%ExecDirect(, sql, Mask)

    While rset.%Next() {
        Set class = rset.%Get("Name")
        Do ##class(%Compiler.UDL.TextServices).GetTextAsArray(, class, .raw)
        Set lines = $ORDER(raw($CHAR(0)), -1)
        Write class, $JUSTIFY("", 40-$LENGTH(class)), $JUSTIFY(lines, 7), !
        Set count = count + lines
    }
    Write "Total ", $JUSTIFY("", 34), $JUSTIFY(count, 7)
}
```

All classes matching [Mask](#) would be displayed.

Use example:

```
USER>do ##class(Utils.CLS).ProjectLength("DSW%")
DSW.Installer                      169
DSW.InstallerData                  628
Total                             797
```

Also available on [GitHub Gist](#).

[#Code Snippet](#) [#Object Data Model](#) [#Caché](#)

Source URL: <https://community.intersystems.com/post/calculate-class-or-package-length-sloc>