

# Some new methods

Later versions of the GELLO editor improve the writability of code when getting a casted value from an observation, and also when as part of that process applying an existence test.

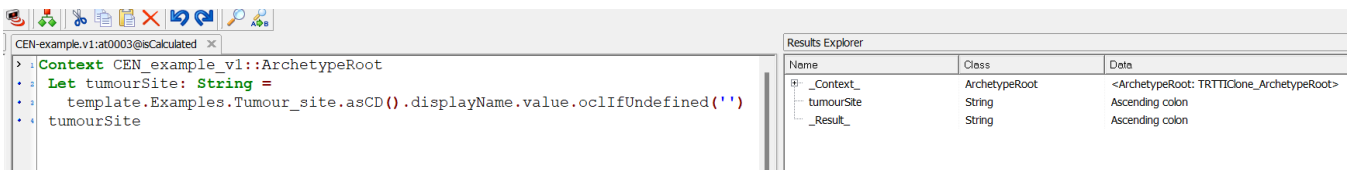
Methods like **.asCD()** replace **.value.oclAsType(CD)**; and **.oclIfUndefined()** replaces extra lines of code. The **.oclIfUndefined()** is an example of null coalescing, and is particularly useful when using GELLO within archetypes.

For example this:

```
Let tumourSite: String= If template.Examples.Tumour_site
                        .value.oclAsType(CD).oclIsDefined()
                        then
                        template.Examples.Tumour_site
                        .value.oclAsType(CD).displayName.value
                        else '' endif
```

can be rewritten as this:

```
Let tumourSite: String= template.Examples.Tumour_site.asCD().displayName.value.oclIfUndefined('')
```



Most types have these methods now, ie **asBoolean()**, **asString()** ..