

2. De-reference reactive values using !!!

Use !! to replace some code with its value.

```
> downloads <- metaReactive2({  
+   req(input$packages)  
+   metaExpr(cranlogs::cran_downloads(input$package,  
+     from = Sys.Date() - 365, to = Sys.Date()))  
+ })
```

```
> withMetaMode(downloads())  
cranlogs::cran_downloads(input$package,  
  from = Sys.Date() - 365, to = Sys.Date())
```

We need the *value of* `input$package` here, not
literally `input$package`

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+   metaExpr(cranlogs::cran_downloads(!!input$package,  
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+ })
```

Bang bang!



```
> withMetaMode(downloads())  
cranlogs::cran_downloads("ggplot2",  
  from = Sys.Date() - 365, to = Sys.Date())
```