

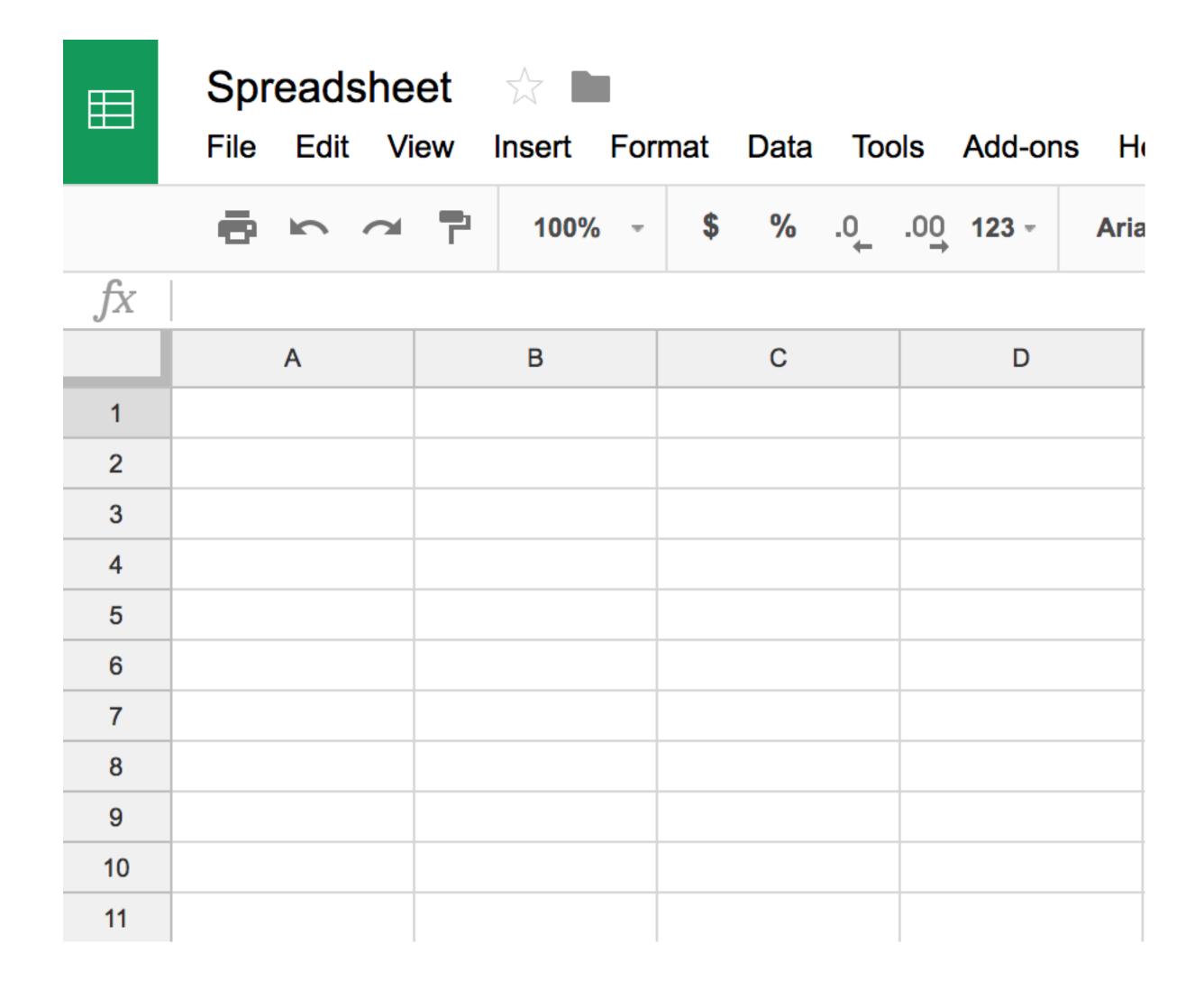


BUILDING WEB APPLICATIONS IN R WITH SHINY

Reactive flow

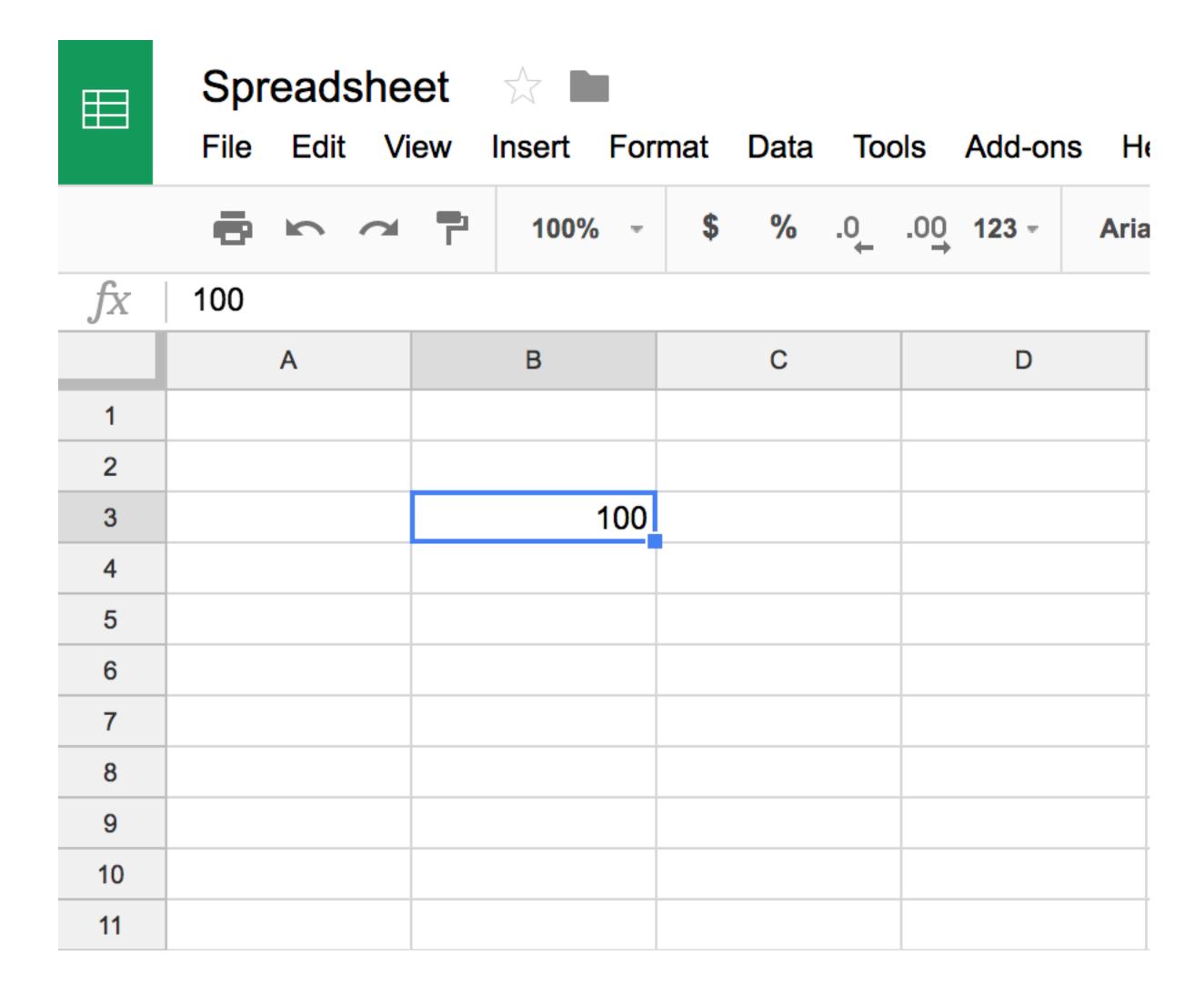






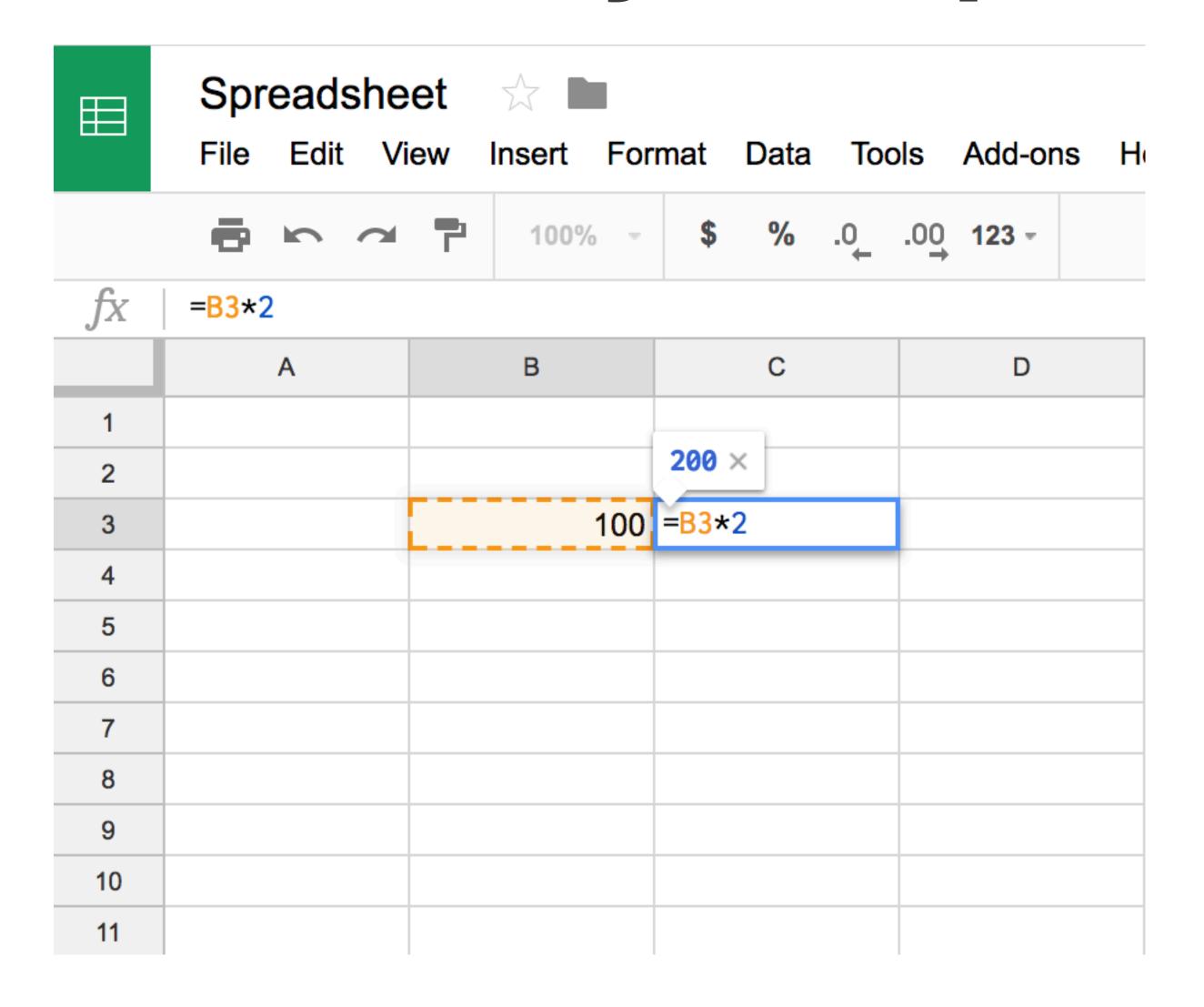






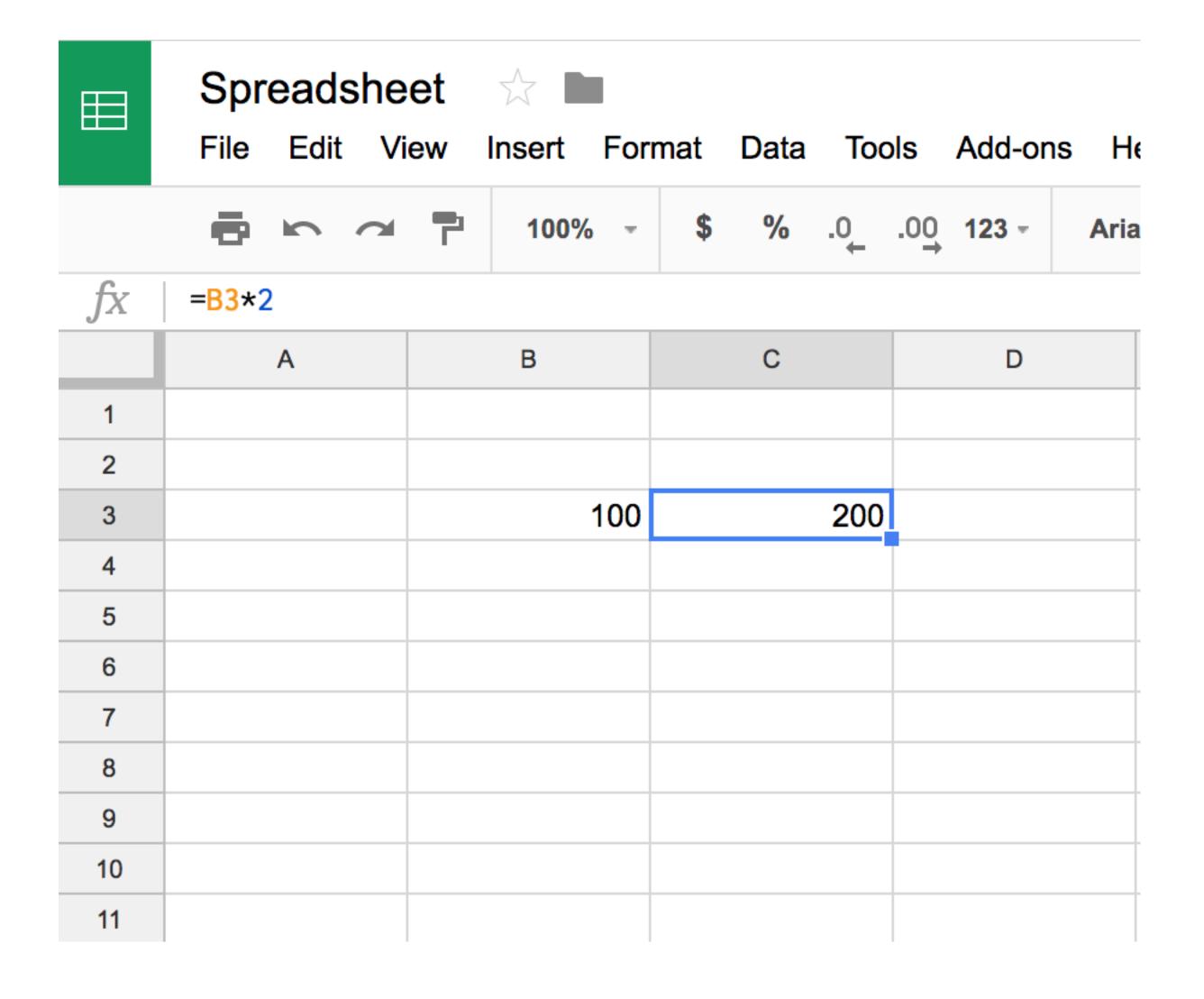






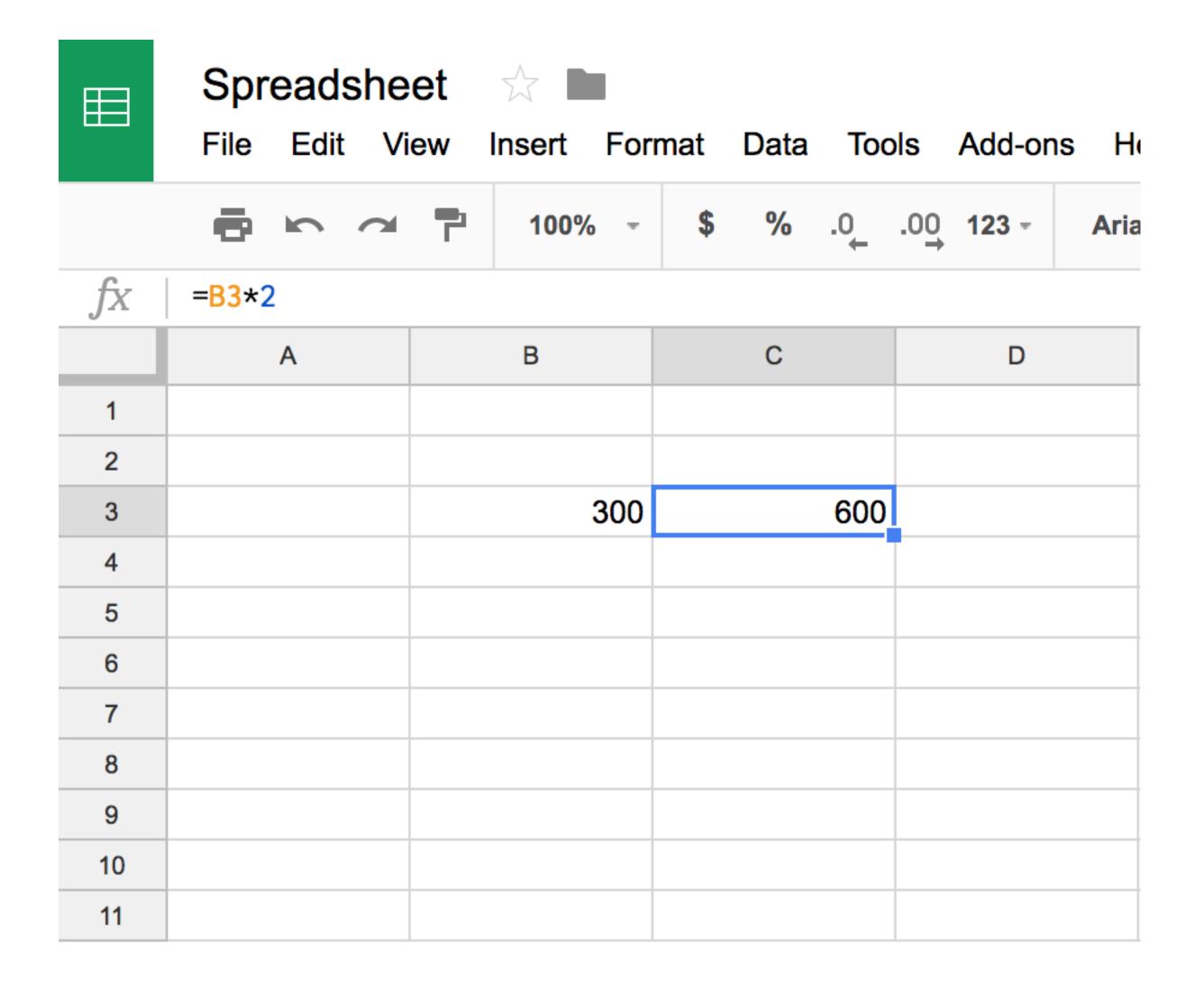












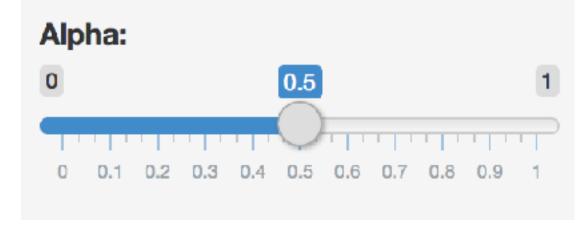


Reactions

The **input\$** list stores the current value of each input object under its name.

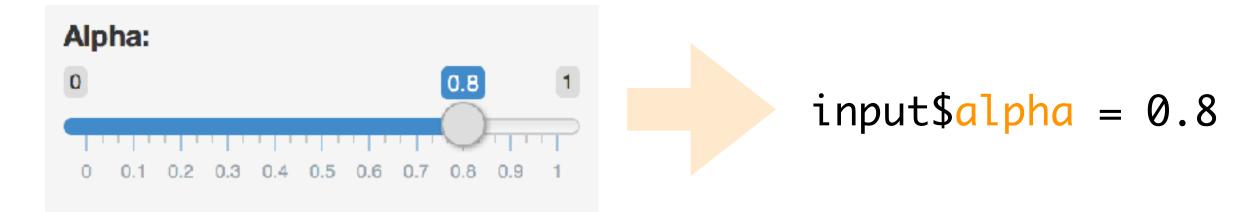


input\$alpha = 0.2



input\$alpha = 0.5









Reactivity automatically occurs when an input value is used to render an output object.

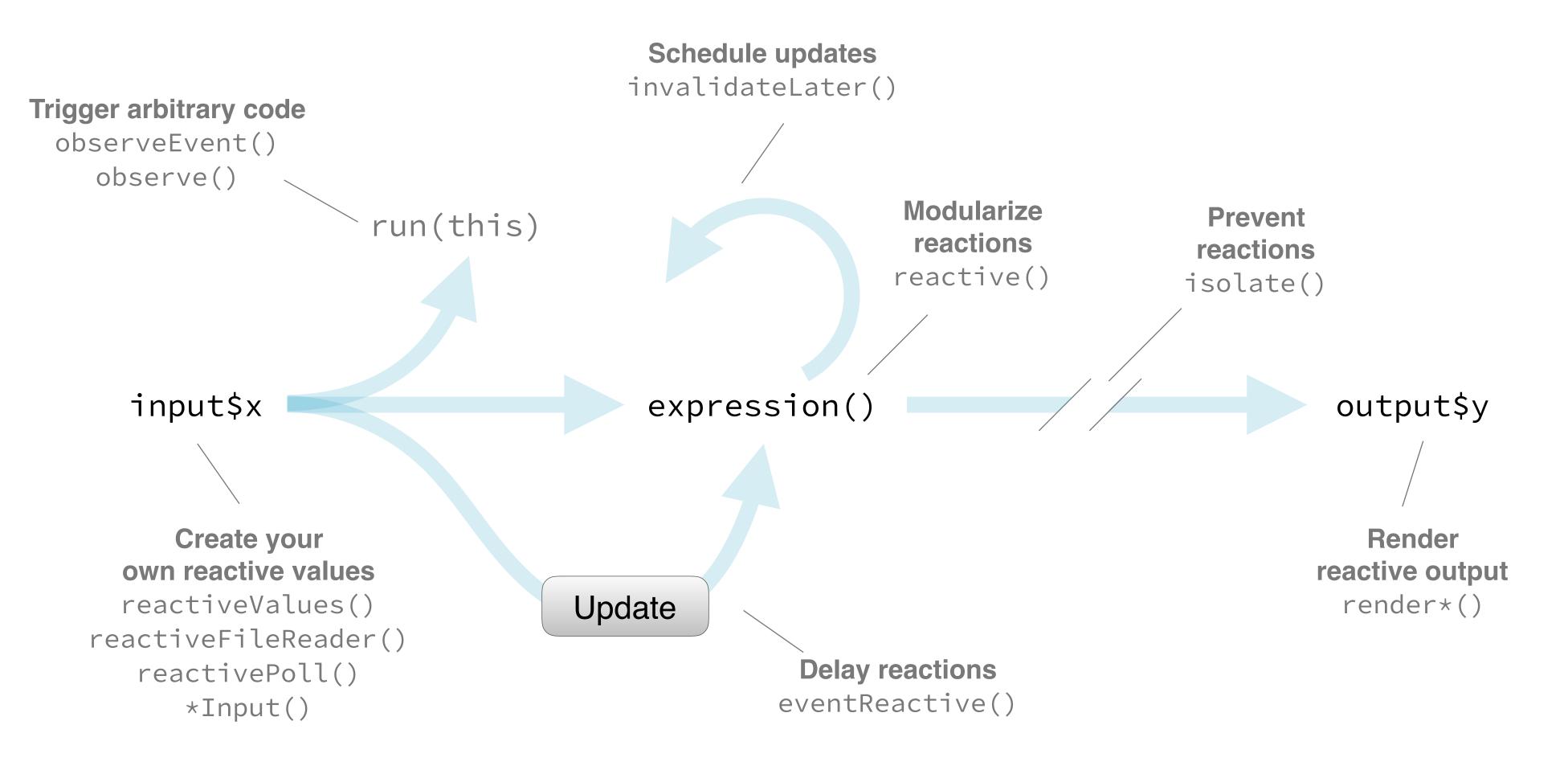
```
# Define server function required to create the scatterplot
server <- function(input, output) {

# Create the scatterplot object the plotOutput function is expecting
output$scatterplot <- renderPlot({
    ggplot(data = movies, aes_string(x = input$x, y = input$y)) +
        geom_point(alpha = input$alpha)
    })
}</pre>
```





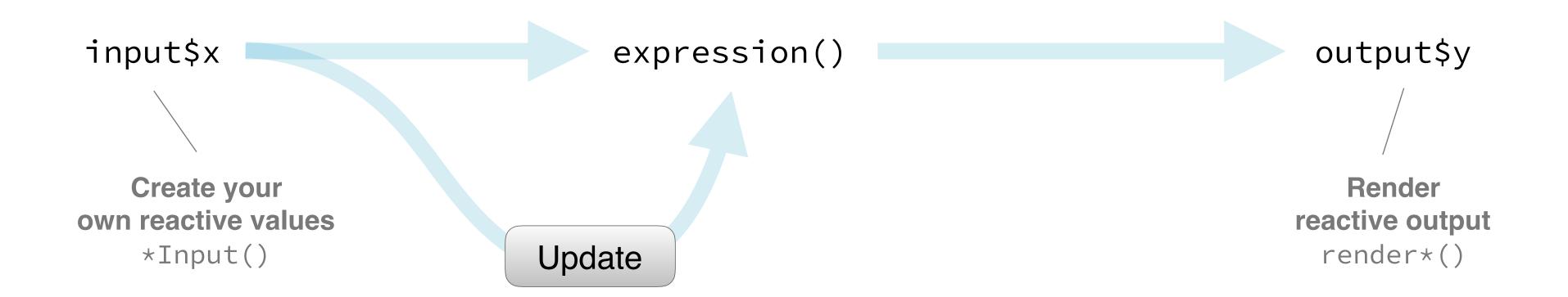
Reactive flow







Reactive flow, simplified







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Let's practice!