1.1-Program-Layout.R

frm

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# 1.1 Program Layout.R  
# NOTE: If you copy the rmarkdown line below (delete # (comment line) first   
# in the Console window, then R Studio produces a MS Word file of the   
# results along with source code.)  
# rmarkdown::render("1.1 Program Layout.R", "word\_document")  
# RStudio layout  
# This page is the File Window, multiple files open at one time  
# The page to the immediate right is the Environment Window,  
# with the Environment tab and History tab  
# The page below is the Console Window, give interface history  
# The page below to the right is the Information Window,  
# Files tab shows Project files (files within the Project folder),  
# Plots tab shows plots,  
# Packages show attached and some unattached packages  
# Help shows any requested help documentation  
# Program Layout  
# help(base) # One way to get help, very cryptic  
# library(help = "base") # Control goes to the document  
# help("Arithmetic") # Details on arithmetic operators  
# Next line is not necessary but is the way libraries are included  
library(base)   
# To load and attach add-on packages, either:  
# help(stats) # Help tab now has details on the R Stats package  
library(stats) # Statistics package is included  
# Or:  
require(Rcpp) # Rcpp package is included

## Loading required package: Rcpp

?"Rcpp" # Alternative way to have details on the R Rcpp package  
# R does not have a formal entry point like C++ (e.g., int main())  
x = 100  
x <- 0  
# When the line above is run, you should see Values x 100 in the   
# Environment window.  
# Read: Element number 1 in vector x is equal to 100  
x

## [1] 0

# Display value of x in Console. Note that every variable is a vector, hence,  
# the output is: [1] 100   
# and x = 100 remains in the Console window  
# The next line closes R (if uncommented)  
# quit()