

June 13, 2023

The results below are generated from an R script.

```
# Assignment: ASSIGNMENT 0
# Name: Tang, Xin
# Date: 2023-06-11

# Basics

## Add 8 and 5
8+5

## [1] 13

## Subtract 6 from 22
22-6

## [1] 16

## Multiply 6 by 7
6*7

## [1] 42

## Add 4 to 6 and divide the result by 2
(4+6)/2

## [1] 5

## Compute 5 modulo 2
5%%2

## [1] 1

## Assign the value 82 to the variable x
## Print x
x <- 82
x

## [1] 82

## Assign the value 41 to the variable y
## Print y
y <- 41
y

## [1] 41
```

```

## Assign the output of x + y to the variable z
## Print z
z <- x+y
print(z)

## [1] 123

## Assign the string value "DSC520" to the variable class_name
## Print the value of class_name
class_name <- "DSC520"
print(class_name)

## [1] "DSC520"

## Assign the string value of TRUE to the variable is_good
## Print the value of is_good
is_good <- TRUE
print(is_good)

## [1] TRUE

## Check the class of the variable is_good using the 'class()' function
class(is_good)

## [1] "logical"

## Check the class of the variable z using the 'class()' function
class(z)

## [1] "numeric"

## Check the class of the variable class_name using the class() function
class(class_name)

## [1] "character"

```

The R session information (including the OS info, R version and all packages used):

```

sessionInfo()

## R version 4.3.0 (2023-04-21 ucrt)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 19045)
##
## Matrix products: default
##
## locale:
## [1] LC_COLLATE=English_United States.utf8  LC_CTYPE=English_United States.utf8
## [3] LC_MONETARY=English_United States.utf8 LC_NUMERIC=C
## [5] LC_TIME=English_United States.utf8
##
## time zone: America/Chicago
## tzcode source: internal
##
## attached base packages:

```

```
## [1] stats      graphics  grDevices utils      datasets  methods   base
##
## other attached packages:
## [1] latexpdf_0.1.7  tinytex_0.45    knitr_1.43      SqlRender_1.15.0
##
## loaded via a namespace (and not attached):
## [1] compiler_4.3.0  backports_1.4.1 cli_3.6.1       tools_4.3.0     highr_0.10
## [6] checkmate_2.2.0 xfun_0.39       rlang_1.1.1     rJava_1.0-6     evaluate_0.21

Sys.time()

## [1] "2023-06-13 17:34:52 CDT"
```