December 8, 2023

The results below are generated from an R script.

```r
# Assignment: ASSIGNMENT 0
# Name: Peña, Miles
# Date: 2023-12-07

# 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
```

```r
## Assign the output of x + y to the variable z
## Print z
z <- x + y
z
```

```
## [1] 123
```

```r
## Assign the string value "DSC520" to the variable class_name
## Print the value of class_name
class_name <- "DSC520"
class_name
```

```
## [1] "DSC520"
```

```r
## Assign the string value of TRUE to the variable is_good
## Print the value of is_good
is_good <- TRUE
is_good
```

```
## [1] TRUE
```

```r
## Check the class of the variable is_good using the `class()` function
class(is_good)
```

```
## [1] "logical"
```

```r
## Check the class of the variable z using the `class()` function
class(z)
```

```
## [1] "numeric"
```

```r
## 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):

```r
sessionInfo()
```

```
## R version 4.3.2 (2023-10-31)
## Platform: x86_64-apple-darwin20 (64-bit)
## Running under: macOS Ventura 13.5.1
##
## Matrix products: default
## BLAS:   /System/Library/Frameworks/Accelerate.framework/Versions/A/Frameworks/vecLib.framework/Versio
## LAPACK: /Library/Frameworks/R.framework/Versions/4.3-x86_64/Resources/lib/libRlapack.dylib;  LAPACK v
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## time zone: America/New_York
## tzcode source: internal
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
```

```
## 
## loaded via a namespace (and not attached):
##  [1] compiler_4.3.2  fastmap_1.1.1   cli_3.6.1       htmltools_0.5.7 tools_4.3.2
##  [6] yaml_2.3.7      tinytex_0.49    rmarkdown_2.25  highr_0.10      knitr_1.45
## [11] xfun_0.41       digest_0.6.33   rlang_1.1.2     evaluate_0.23
```

```
Sys.time()
```

```
## [1] "2023-12-08 12:02:31 EST"
```