> week <- c("Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday")

> for (day in week){

+ print(day)

+ }

[1] "Sunday"

[1] "Monday"

[1] "Tuesday"

[1] "Wednesday"

[1] "Thursday"

[1] "Friday"

[1] "Saturday"

>

> week <- c("Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday")

> i <- 1

> while (i <= length(week)){

+ print(week[i])

+ i <- i + 1

+ }

[1] "Sunday"

[1] "Monday"

[1] "Tuesday"

[1] "Wednesday"

[1] "Thursday"

[1] "Friday"

[1] "Saturday"

>

> week <- c("Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday")

> for (day in week){

+ if (day %in% c("Sunday", "Saturday")){

+ print(day)

+ } else {

+ next

+ }

+ }

[1] "Sunday"

[1] "Saturday"

>

> pi

[1] 3.141593

> ceiling(pi)

[1] 4

> floor(pi)

[1] 3

> round(pi, digits = 2)

[1] 3.14

>

> today\_char <- "Today is:"

> sys\_date <- Sys.Date()

> paste(today\_char, sys\_date)

[1] "Today is: 2018-10-05"

>

> num\_vector <- c(11:14, NA)

> sum(num\_vector, na.rm = TRUE)

[1] 50

> median(num\_vector, na.rm = TRUE)

[1] 12.5

>

>

> my\_factorial <- function(n){

+ n <- as.integer(n)

+ ans <- 1

+ for (i in 1:n){

+ ans <- ans \* i

+ }

+ return(ans)

+ }

> my\_factorial(5)

[1] 120

> my\_mean <- function(x){

+ my\_sum <- 0

+ my\_length <- 0

+ for (i in x){

+ my\_sum <- my\_sum + i

+ my\_length <- my\_length + 1

+ }

+ return(my\_sum / my\_length)

+ }

> my\_mean(1:10)

[1] 5.5

> mean(1:10)

[1] 5.5

>