#1 age <- c(34, 28, 22, 36, 27, 18, 52, 39, 42, 29, 35, 31, 27, 22, 37, 34, 19, 20, 57, 49, 50, 37, 46, 25, 17, 37, 42, 53, 41, 51, 35, 24, 33, 41) length(age)

#2 reciprocal_age <- 1 / age reciprocal_age

#3 new_age <- c(age, 0, age) new_age

#4 sorted_age <- sort(age) sorted_age

#5 min_age <- min(age) min_age max_age <- max(age) max_age

#6 data <- c(2.4, 2.8, 2.1, 2.5, 2.4, 2.2, 2.5, 2.3, 2.5, 2.3, 2.4, 2.7) length_data <- length(data) length_data

#7 doubled_data <- data * 2 doubled_data

#8.1 seq_1_to_100 <- seq(1, 100) seq_1_to_100

#8.2 seq_20_to_60 <- seq(20, 60) seq_20_to_60

seq_51_to_91 <- seq(51, 91) seq_51_to_91

#8.3 mean_20_to_60 <- mean(seq_20_to_60) mean_20_to_60

#8.4 sum_51_to_91 <- sum(seq_51_to_91) sum_51_to_91

#8.5 seq_1_to_1000 <- seq(1, 1000) seq_1_to_1000

#8.5a,b length_seq_1_to_100 <- length(seq_1_to_100) length_seq_20_to_60 <- length(seq_20_to_60) length_mean_20_to_60 <- 1
length_sum_51_to_91 <- 1
total_data_points <- length_seq_1_to_100 + length_seq_20_to_60 + length_mean_20_to_60 + length_sum_51_to_91 total_data_points

#8.5c max_until_10 <- max(seq_1_to_1000[seq_1_to_1000 <= 10]) max_until_10

#9 filtered_numbers <- Filter(function(i) {all(i %% c(3, 5, 7) !=0) }, seq(1, 100)) filtered_numbers

#10 backward_seq <- seq(100, 1) print(backward_seq)

#11,a,b multiples_3_or_5 <- Filter(function(i) { i %% 3== 0 || i %% 5 == 0 }, seq(1, 24)) multiples_3_or_5

length_multiples <- length(multiples_3_or_5) print(length_multiples)

#12 x <- {0 + x + 5 + }

#13 score <- c(72, 86, 92, 63, 88, 89, 91, 92, 75, 75, 77)

#Find x[2] and x[3] score[2] score[3]

#14 a <- c(1, 2, NA, 6, 7) # Change the NA to 999 a[is.na(a)] <- 999 a

#15 name <- readline(prompt="Input your name:")

age <- readline(prompt="Input your age:")

print(paste("My name is", name, "and I am", age, "years old."))

print(R.version.string) # Output the R version