RWorksheet_Leysa#1

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#Problem 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) age_data_points <- length(age) print(age) print(age_data_points)

#Problem 2#

reciprocal_age <- 1/age print(reciprocal_age)

#Problem 3#

new_age <- c(age, 0, age) print(new_age)

#Problem 4#

sorted_age <- sort(age) print(sorted_age)

#Problem 5#

min_age <- min(age) max_age <- max(age) print(min_age) print(max_age)

#Problem 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) data_data_points <- length(data) print(data) print(data_data_points)

#Problem 7#

data_double <- data*2 print(data_double)

#Problem 8.1#

integers_to_100 <- 1:100 print(integers_to_100) int_100_data_points <- length(integers_to_100) print(int_100_data_points)

#Problem 8.2#

numbers <- 20:60 print(numbers) numbers_data_points <- length(numbers) print (numbers_data_points)

#Problem 8.3#

mean_num <- mean(numbers) print(mean_num) mean_num_data_points <- length(mean_num) print(mean_num_data_points)

#Problem 8.4#

sum_num <- sum(51:91) print(sum_num) sum_data_points <- length(sum) print(sum_data_points)

#Problem 8.5#

int_to_1k <- 1:1000 max_data_points <- max(int_to_1k[int_to_1k <= 10]) print(max_data_points)

#Problem 9#

Filter(function(i) {all(i%% c(3,5,7) !=0)}, seq(100))

#Problem 10#

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

#Problem 11#

multiples_new <- which((1:24) %% 3==0 | (1:24) %% 5==0) print(multiples_new) sum_multiple <- sum(multiples_new) print(sum_multiple)

#Problem 12#

#x <- {0 + x + 5 + } (The code does not work)#

#Problem 13#

score <- c(72, 86, 92, 63, 88, 89, 91, 92, 75, 75, 77) x2<- score[2] x3 <- score[3] print(x2) print(x3)

#Problem 14#

a <- c(1,2,NA,4,NA,6,7) print(a) print(a, na.print="-999")

#Problem 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)