worksheet

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#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

1 / age

#3

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

#4

sort(age)

#5

min(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)

#7

new_data <- data * 2

new_data

#8.1

seq(1, 100)

#8.2

seq(20, 60)

#8.3

mean(seq(20, 60))

#8.4

sum(seq(51, 91))

#8.5

seq(1, 1000)

```r
#8.C
max(seq(1, 1000)[1:10])
#9
Filter(function(i) { all(i %% c(3,5,7) != 0) }, seq(100))
#10
seq(100, 1, by = -1)
#11
multiples <- Filter(function(x) { x %% 3 == 0 | x %% 5 == 0 }, seq(24))
multiples
sum(multiples)
#12
x <- {0 + x + 5 + }
#13
score <- c(72, 86, 92, 63, 88, 89, 91, 92, 75, 75, 77)
score[2]
score[3]
#14
a <- c(1, 2, NA, 4, NA, 6, 7)
print(a, na.print = "-999")
#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)
```