Download your personal sample from left sidebar, unpack and read it:

dataPath <- "C:/path\_to\_your\_dir/"

df <- read.table(paste0(dataPath, 'sample.csv'), header=TRUE)

The data sample contains 2 columns of variables: predictor df$x and response df$y.

Calculate standard deviations of  df$x and df$y and their correlation coefficient. Round all values to the second decimal and use them to calculate the slope a without fitting linear model to the data.

Leave a not rounded. Its value will be checked up to the 3 decimal places.

Create variables:

* sdX - Standard deviation of df$x
* sdY - Standard deviation of df$y
* cXY - Correlation coefficient of df$x and df$y
* a - slope of the model y~x

Create variable result as data.frame:

result <- data.frame(sdX=sdX, sdY=sdY, cXY=cXY, a=a)

Write the result to a file:

write.table(result, file = paste(dataPath,'result.csv',sep = '/'), row.names = F)

Upload this file using left sidebar.