Introduction.R

Makav

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#Comment  
  
a=5  
b=4  
c=a+b  
print(paste0(c))

## [1] "9"

#In this subject single # means a comment, double ## means a result  
  
#Exercise  
D = 1000  
k = 5  
h = 0.25  
  
Q = sqrt((2 \* D \* k)/(h))  
print(paste0(Q))

## [1] "200"

#Creating objects, same as declaring with =  
R <- 50  
print(paste0(R))

## [1] "50"

countto <- 1:14  
print(paste0(countto))

## [1] "1" "2" "3" "4" "5" "6" "7" "8" "9" "10" "11" "12" "13" "14"

#R is case sensitive  
A <- 35  
  
#Arrays with different lengths  
vector1 <- c(5,9,3)  
vector2 <- c(10,11,12,13,14,15)  
  
result <- array(c(vector1,vector2),dim = c(3,3,2))  
print(result)

## , , 1  
##   
## [,1] [,2] [,3]  
## [1,] 5 10 13  
## [2,] 9 11 14  
## [3,] 3 12 15  
##   
## , , 2  
##   
## [,1] [,2] [,3]  
## [1,] 5 10 13  
## [2,] 9 11 14  
## [3,] 3 12 15