Functions

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To get a working directory

getwd()

## [1] "C:/Users/samch/Documents/PGDM Material/2.Term II/Data Science and Analytics/DSA"

Divider Function

divider = function(x,y)  
{  
 result = x/y  
 print(result)  
}  
divider(100,20)

## [1] 5

Multiplier Function

multiply = function(x,y)  
{  
 result = x\*y  
 print(result)  
}  
multiply(8,20)

## [1] 160

Concatenation and Arrays

d=c(1:5)  
d

## [1] 1 2 3 4 5

d+6

## [1] 7 8 9 10 11

d-2

## [1] -1 0 1 2 3

R is a vectorized language

e=c(1:10)  
e

## [1] 1 2 3 4 5 6 7 8 9 10

f=e\*2  
f

## [1] 2 4 6 8 10 12 14 16 18 20

g=f/2  
g

## [1] 1 2 3 4 5 6 7 8 9 10

Matrix Creation

M=matrix(1:15,nrow=3)  
M

## [,1] [,2] [,3] [,4] [,5]  
## [1,] 1 4 7 10 13  
## [2,] 2 5 8 11 14  
## [3,] 3 6 9 12 15