Day 2

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x=10  
class(x)

## [1] "numeric"

i=5L #L is for integer  
class(i)

## [1] "integer"

is.integer(i)

## [1] TRUE

is.integer(x)

## [1] FALSE

s= "R\_studio"  
class(s)

## [1] "character"

#Levels of classification - Factor---Involves levels (Ordinal)  
#Ex: Educational classification - X, XII, Grad, PG  
  
#Logical - True (1) and False (0)  
TRUE\*5

## [1] 5

FALSE\*5

## [1] 0

K = TRUE  
class(K)

## [1] "logical"

is.logical(K)

## [1] TRUE

#Date - STarting Date(1970) - Numeric value  
# POSIXct - Date plus Time  
date=as.Date("2020-11-22")  
date

## [1] "2020-11-22"

as.numeric(date)

## [1] 18588

date1= as.POSIXct("2020-11-22 10:30")  
date1

## [1] "2020-11-22 10:30:00 IST"

as.numeric(date1)

## [1] 1606021200

class(date1)

## [1] "POSIXct" "POSIXt"

# Vector - R is called as Vectorized Language  
v = c(1,2,3,4,5)  
s = v\*2  
s

## [1] 2 4 6 8 10

#Vector is collection of elements, all of same type  
sqrt(s)

## [1] 1.414214 2.000000 2.449490 2.828427 3.162278