vector1\_assignment.R

user

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#create a integer vector   
vecInt<-c(12L,25L,38L,44L)  
vecInt

## [1] 12 25 38 44

typeof(vecInt)

## [1] "integer"

vecDou<-c(3,4,6,5,5,2,3,4,6,8)  
vecDou

## [1] 3 4 6 5 5 2 3 4 6 8

typeof(vecDou)

## [1] "double"

vecCom<-c(2+3i,4-5i,2i)  
vecCom

## [1] 2+3i 4-5i 0+2i

typeof(vecCom)

## [1] "complex"

#insert element 32 to vecInt in qs1  
vecInt=c(vecInt,32L)  
vecInt

## [1] 12 25 38 44 32

#check length of vecDou  
length(vecDou)

## [1] 10

#create numeric vector with values from 15 to 1 in step of 3  
x<-seq(15,1,-3)  
x

## [1] 15 12 9 6 3

#coerce vecDou type to integer  
vecDou=as.integer(vecDou)  
vecDou

## [1] 3 4 6 5 5 2 3 4 6 8

typeof(vecDou)

## [1] "integer"

#access all elements of vecDou except 3rd and 5th  
vecDou[c(-3,-5)]

## [1] 3 4 5 2 3 4 6 8

vecDou

## [1] 3 4 6 5 5 2 3 4 6 8

#create following vectors  
x<-c(1.7,"Good")  
x

## [1] "1.7" "Good"

typeof(x)

## [1] "character"

y<-c(2,TRUE)  
y

## [1] 2 1

typeof(y)

## [1] "double"