# using <- for assignment, but will see = also  
# c is concatenation / combination function  
names <- c("Steve","John","Rita")  
#single quotes equivalent, but R style is to use double  
#names <- c('Steve','John','Rita')  
nums <- c(100,200,300)  
bools <- c(TRUE,FALSE,TRUE)  
#notice how these become the same type  
coerced1 <- c('Steve',123, TRUE)  
coerced2 <- c(123, TRUE)  
coerced3 <- c(123, "ABC", TRUE)  
#access specific elements with one-based indexing  
nums[3]  
nums[4] <- 400  
nums[5] <- "ABC"  
#ranges  
names[2:3]  
#exclude with minus  
names[-3]  
#logical vector for inclusions  
names[bools]

colors.vector <- c("Red","Blue","Green")  
colors.factor <- factor(c("Red","Blue","Green"))  
colors.vector  
colors.factor  
colors.vector[2]  
colors.factor[2]