1. Obtain the elements of the union between two character vectors.

vec1 = c(rownames(mtcars[1:15,]))

vec2 = c(rownames(mtcars[10:32,]))

vec12<-union(vec1, vec2) # returns all the elements of vec1 and vec2 without repeating common elements

vec12

2. Get those elements that are common to both vectors.

vec1 = c(rownames(mtcars[1:15,]))

vec2 = c(rownames(mtcars[10:32,]))

intersect(vec1,vec2)# alternate way to get intersection of 2 sets of data

3. Get the difference of the elements between two character vectors.

vec1 = c(rownames(mtcars[1:15,]))

vec2 = c(rownames(mtcars[10:32,]))

vec1[!vec1%in%vec2]# elements of vec1 which are not present in vec2

vec2[!vec2%in%vec1]# elements of vec2 which are not present in vec1

union(vec1[!vec1%in%vec2],vec2[!vec2%in%vec1])#elements which are not common in vec1 and vec2

4. Test the quality of two character vectors.

vec1 = c(rownames(mtcars[1:15,]))

vec2 = c(rownames(mtcars[11:25,]))

is.element(vec1,vec2)

identical(vec1,vec2)

setequal(vec1,vec2)

vec1 %in% vec2