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

vc1=c(rownames(mtcars[1:15,]))

vc2=c(rownames(mtcars[10:32,]))

Solution:

mtcars

vc1=c(rownames(mtcars[1:15,]))

vc1

[1] "Mazda RX4" "Mazda RX4 Wag" "Datsun 710" "Hornet 4 Drive" "Hornet Sportabout" "Valiant" "Duster 360"

[8] "Merc 240D" "Merc 230" "Merc 280" "Merc 280C" "Merc 450SE" "Merc 450SL" "Merc 450SLC"

[15] "Cadillac Fleetwood"

vc2=c(rownames(mtcars[10:32,]))

vc2

[1] "Merc 280" "Merc 280C" "Merc 450SE" "Merc 450SL" "Merc 450SLC" "Cadillac Fleetwood"

[7] "Lincoln Continental" "Chrysler Imperial" "Fiat 128" "Honda Civic" "Toyota Corolla" "Toyota Corona"

[13] "Dodge Challenger" "AMC Javelin" "Camaro Z28" "Pontiac Firebird" "Fiat X1-9" "Porsche 914-2"

[19] "Lotus Europa" "Ford Pantera L" "Ferrari Dino" "Maserati Bora" "Volvo 142E"

union(vc1,vc2)

[1] "Mazda RX4" "Mazda RX4 Wag" "Datsun 710" "Hornet 4 Drive" "Hornet Sportabout" "Valiant"

[7] "Duster 360" "Merc 240D" "Merc 230" "Merc 280" "Merc 280C" "Merc 450SE"

[13] "Merc 450SL" "Merc 450SLC" "Cadillac Fleetwood" "Lincoln Continental" "Chrysler Imperial" "Fiat 128"

[19] "Honda Civic" "Toyota Corolla" "Toyota Corona" "Dodge Challenger" "AMC Javelin" "Camaro Z28"

[25] "Pontiac Firebird" "Fiat X1-9" "Porsche 914-2" "Lotus Europa" "Ford Pantera L" "Ferrari Dino"

[31] "Maserati Bora" "Volvo 142E"

1. Get those elements that are common to both vectors

vc1=c(rownames(mtcars[1:15,]))

vc2=c(rownames(mtcars[10:32,]))

1. Get the difference of elements between two character vectors

vc1=c(rownames(mtcars[1:15,]))

vc2=c(rownames(mtcars[10:32,]))