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

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

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

```
[1] "Mazda RX4"
[6] "Valiant"
[11] "Merc 280C"
                                                          "Mazda RX4 Wag"
"Duster 360"
"Merc 4505E"
                                                                                                                                                      "Hornet 4 Drive"
"Merc 230"
"Merc 4505LC"
                                                                                                        "Datsun 710"
                                                                                                                                                                                                    "Hornet Sportabout"
                                                                                                        "Merc 240D"
"Merc 450SL"
                                                                                                                                                                                                    "Merc 280"
"Cadillac Fleetwood"
[1] Merc 280C

> vec2

[1] "Merc 280"

[6] "Cadillac Fleetwood"

[11] "Toyota Corolla"

[16] "Pontiac Firebird"

[21] "Ferrari Dino"
                                                             "Merc 280C"
                                                                                                             "Merc 450SE"
                                                                                                                                                             "Merc 450sL"
                                                                                                                                                                                                             "Merc 450SLC
                                                                                                                                                            "Fiat 128"
"AMC Javelin"
"Lotus Europa"
                                                                                                                                                                                                            "Honda Civic"
"Camaro Z28"
"Ford Pantera L"
                                                           "Lincoln Continental"
"Toyota Corona"
"Fiat X1-9"
                                                                                                            "Chrysler Imperial"
"Dodge Challenger"
"Porsche 914-2"
                                                            "Maserati Bora"
                                                                                                            "Volvo 142E"
[21] "Ferrari Dino"
> union(vec1,vec2)
[1] "Mazda RX4"
[6] "Valiant"
[11] "Merc 280C"
[16] "Lincoln Continental"
[21] "Toyota Corona"
[26] "Fiat X1-9"
[31] "Maserati Bora"
                                                                                                                                                            "Hornet 4 Drive"
"Merc 230"
"Merc 4505LC"
                                                            "Mazda RX4 Wag"
                                                                                                            "Datsun 710"
                                                                                                                                                                                                             "Hornet Sportabout"
                                                            "Duster 360"
"Merc 450SE"
                                                                                                            "Merc 240D"
"Merc 450SL"
"Fiat 128"
                                                                                                                                                                                                            "Merc 280"
"Cadillac Fleetwood"
"Toyota Corolla"
                                                            "Chrysler Imperial"
                                                                                                                                                             "Honda Civic"
                                                                                                                                                                                                            "Pontiac Firebird"
"Ferrari Dino"
                                                            "Dodge Challenger"
"Porsche 914-2"
"Volvo 142E"
                                                                                                            "AMC Javelin"
                                                                                                                                                            "Camaro Z28"
"Ford Pantera L"
                                                                                                            "Lotus Europa"
```