

Assignment5.2

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*#1 .Obtain the elements of the Union between two character vectors Vec1 nad v
ec2*

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

```
#vec1
```

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

```
#vec2
```

```
union(vec1,vec2)
```

```
## [1] "Mazda RX4"           "Mazda RX4 Wag"       "Datsun 710"
## [4] "Hornet 4 Drive"      "Hornet Sportabout"   "Valiant"
## [7] "Duster 360"         "Merc 240D"           "Merc 230"
## [10] "Merc 280"           "Merc 280C"           "Merc 450SE"
## [13] "Merc 450SL"         "Merc 450SLC"         "Cadillac Fleetwood"
## [16] "Lincoln Continental" "Chrysler Imperial"   "Fiat 128"
## [19] "Honda Civic"         "Toyota Corolla"      "Toyota Corona"
## [22] "Dodge Challenger"   "AMC Javelin"         "Camaro Z28"
## [25] "Pontiac Firebird"   "Fiat X1-9"           "Porsche 914-2"
## [28] "Lotus Europa"       "Ford Pantera L"      "Ferrari Dino"
## [31] "Maserati Bora"      "Volvo 142E"
```

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)
```

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

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

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

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

removing Vec2 from Vec1 and give only Vec1

```
setdiff(vec1,vec2)
```

```
## [1] "Mazda RX4"           "Mazda RX4 Wag"       "Datsun 710"
## [4] "Hornet 4 Drive"      "Hornet Sportabout"   "Valiant"
## [7] "Duster 360"         "Merc 240D"           "Merc 230"
```

#removing Vec1 from Vec2 and give only Vec2

```
setdiff(vec2,vec1)
```

```
## [1] "Lincoln Continental" "Chrysler Imperial"   "Fiat 128"
## [4] "Honda Civic"         "Toyota Corolla"      "Toyota Corona"
```

```
## [7] "Dodge Challenger"    "AMC Javelin"      "Camaro Z28"
## [10] "Pontiac Firebird"   "Fiat X1-9"        "Porsche 914-2"
## [13] "Lotus Europa"       "Ford Pantera L"   "Ferrari Dino"
## [16] "Maserati Bora"      "Volvo 142E"
```

#4. Test the equality of two character Vector

```
vec1= c(rownames(mtcars[1:15,]))
vec2= c(rownames(mtcars[11:25,]))
```

```
vec1==vec2
```

```
## [1] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE
## [12] FALSE FALSE FALSE FALSE
```

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