Session 5 - Data Management using R

Assignment - 2

Problem Statement

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

```
vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[10:32,]))
```

Ans.

```
vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[10:32,]))
       vec1
      vec2
       union(vec1, vec2)
90:1 (Top Level)
                                                                                                                     R Script
Console Terminal
  vec2 = c(rownames(mtcars[10:32,]))
 [1] "Mazda RX4"
[5] "Hornet Sportabout"
[9] "Merc 230"
                                 "Mazda RX4 Wag"
                                                            "Datsun 710"
                                                                                       "Hornet 4 Drive"
                                                           "Duster 360"
"Merc 280C"
                                "valiant"
                                                                                      "Merc 240D'
                                "Merc 280"
                                                                                      "Merc 450SE"
[13] "Merc 450SL"
                                 "Merc 450SLC"
                                                            "Cadillac Fleetwood"
                                 "Merc 280C" "Merc 450SE" Merc 450SE
"Cadillac Fleetwood" "Lincoln Continental" "Chrysler Imperial"
"Honda Civic" "Toyota Corolla" "Toyota Corona"
"Pontiac Firebird"
 [1]
      "Merc 280"
     "Merc 450SLC"
      "Fiat 128"
                                  "AMC Javelin"
                                                              "Camaro Z28"
     "Dodge Challenger"
                                                                                           "Pontiac Firebird"
[13]
                                  "Porsche 914-2"
                                                              "Lotus Europa"
      "Fiat X1-9
                                                                                           "Ford Pantera L
     "Ferrari Dino"
                                  "Maserati Bora"
[21]
                                                              "Volvo 142E
     ion(vec1,vec2)
"Mazda RX4"
                                  "Mazda RX4 Wag"
"Valiant"
                                                              "Datsun 710"
"Duster 360"
                                                                                          "Hornet 4 Drive"
      "Hornet Sportabout"
                                                                                           "Merc 240D"
     "Merc 450SL"
                                  "Merc 280"
"Merc 450SLC"
                                                              "Merc 280C"
"Cadillac Fleetwood"
                                                                                           "Merc 450SE"
                                                                                          "Lincoln Continental"
                                  "Fiat 128"
                                                              "Honda Civic"
                                                                                          "Toyota Corolla"
      "Chrysler Imperial"
                                  "Dodge Challenger"
                                                              "AMC Javelin"
      "Toyota Corona"
                                                                                          "Camaro Z28"
                                                              "Porsche 914-2"
      "Pontiac Firebird"
                                  "Fiat X1-9"
                                                                                          "Lotus Europa"
                                  "Ferrari Dino"
                                                              "Maserati Bora"
                                                                                          "Volvo 142E
[29]
      "Ford Pantera L
```

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

```
vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[10:32,]))
```

Ans.

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

```
vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[10:32,]))
```

Ans.

4. Test the quality of two character vectors.

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

```
> all.equal(vec1,vec2)
[1] "Lengths (15, 23) differ (string compare on first 15)"
[2] "15 string mismatches"
> |
```