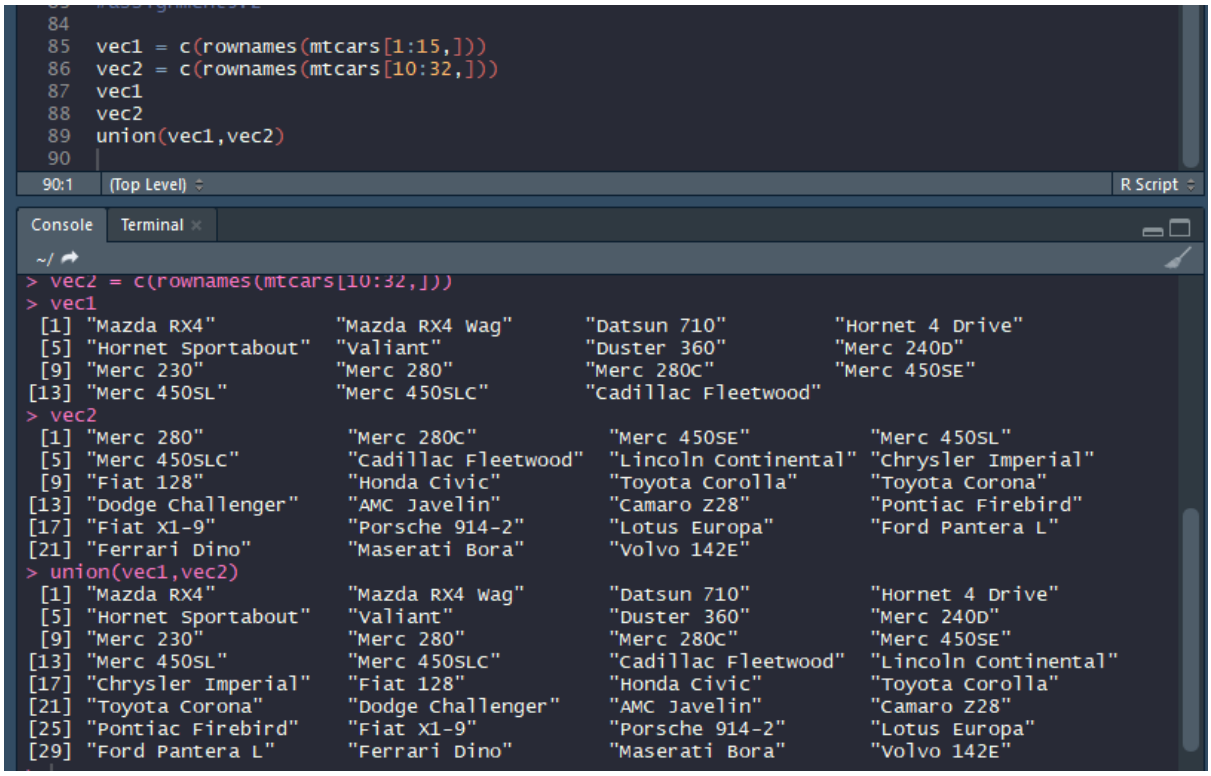
Session 5 – Data Management using R

Assignment – 2

Problem Statement

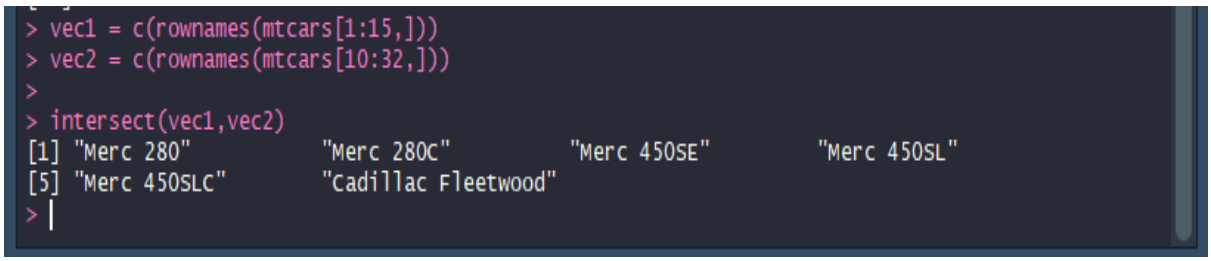
1. Obtain the elements of the union between two character vectors.
vec1 = c(rownames(mtcars[1:15,]))
vec2 = c(rownames(mtcars[10:32,]))

Ans .



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.

```
> vec1 = c(rownames(mtcars[1:15,]))
> vec2 = c(rownames(mtcars[10:32,]))
>
> intersect(vec1,vec2)
[1] "Merc 280"          "Merc 280C"         "Merc 450SE"        "Merc 450SL"
[5] "Merc 450SLC"       "Cadillac Fleetwood"
> setdiff(vec1,vec2)
[1] "Mazda RX4"         "Mazda RX4 Wag"     "Datsun 710"        "Hornet 4 Drive"
[5] "Hornet Sportabout" "Valiant"           "Duster 360"        "Merc 240D"
[9] "Merc 230"
>
```

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"
>
```