Assignment – 5.2

Question: 1 Obtain the union of the two sets vec1 and vec2 with the following data

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

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

> 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"

Question: 2 Obtain the elements that are common in both the vectors

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| > intersect(vec1,vec2)  [1] "Merc 280" "Merc 280C" "Merc 450SE"  [4] "Merc 450SL" "Merc 450SLC" "Cadillac Fleetwood"  Question:3 Get the difference of elements in both the vectors  > 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"  Question: 4 Test for equality of both the vectors  > setequal(vec1,vec2)  [1] FALSE |
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