Assignment : 1.5

m <- replicate(10, rnorm(10), simplify = "matrix") # matrix 10 x 10 with random normal numbers

m

m <- as.data.frame(m) # transforming into data frame

View(m)

library(rbenchmark)

benchmark(

vect = as.vector(m), # vecotrized form

conc = (n <- as.vector(for (i in seq(nrow(m))) {

for (j in seq(ncol(m))) { # nested for

print(2\*sin(m[i, j])) # performing algebraic function on each element

}

}))

)