Project

makeCacheMatrix <- function(x = matrix()) {

m <- NULL

set <- function(y) {

x <<- y

m <<- NULL

}

get <- function() x

setinverse <- function(inverse) m <<- inverse

getinverse <- function() m

list(set = set, get = get,

setinverse = setinverse,

getinverse = getinverse)

}

cacheSolve <- function(x, ...) {

## Return a matrix that is the inverse of 'x'

m <- x$getinverse()

if(!is.null(m)) {

message("getting cached data")

return(m)

}

data <- x$get()

m <- solve(data, ...)

x$setinverse(m)

m

}