

## **COP2073C Practice Exercise 2**

Write an R script which performs the following tasks:

- a.** Use the vector `c(2,4,6)` and the vector `c(1,2)` in conjunction with `rep` and `*` to produce the vector `c(2,4,6,4,8,12)`.
- b.** Create a 3x2 (3 rows, 2 cols) matrix from the vector created in Step a.
- c.** Use `cbind` to add the vector `c(3,6,9)` to the matrix produced in Step b.
- d.** Create a 3-dimensional (single-layer) array from the matrix produced in Step c.
- e.** Provide an extraction expression which extracts the middle element (the value 8) from the array produced in Step d.
- f.** Use the extraction expression from Step e (not the extracted value) to multiply all elements of the array produced in Step d by 8.